

# Hitachi AMS 2000 Family Storage System Reference Guide

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- Hong Kong – Import pending completion of registration formalities
- Israel – Import pending completion of registration formalities
- Russia – Import pending completion of notification formalities
- Distribution Centers – IDC, EDC and ADC cleared for exports



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## Glossary

## Index





# Preface

Congratulations on purchasing a new Hitachi AMS 2000 Family Storage System.

This guide will assist you in installing, configuring, and maintaining your Hitachi AMS 2000 Family Storage System.

In this guide, the term DF800E-XS refers to both Fibre Channel and iSCSI models of the DF800E-XS storage arrays. If information pertains to the iSCSI model only, that model is identified as E-XSi.

This preface includes the following information:

- [Intended audience](#)
- [Product version](#)
- [Release notes and readme](#)
- [Document revision level](#)
- [Changes in this revision](#)
- [Document organization](#)
- [Document conventions](#)
- [Convention for storage capacity values](#)
- [Related documents](#)
- [Getting help](#)

## Intended audience

This document is intended for system administrators, Hitachi Data Systems representatives, and Authorized Service Providers who install, configure, and operate Hitachi Adaptable Modular System (AMS) 2000 family storage systems.

## Product version

This document applies to Hitachi AMS 2000 Family firmware version 08C3/N or later.

## Release notes and readme

Read the release notes and readme file before installing and using this product. They may contain requirements or restrictions that are not fully described in this document and/or updates or corrections to this document.

## Document revision level

Revision	Date	Description
MK-97DF8008-00	October 2008	Initial Release.
MK-97DF8008-01	October 2008	Revision 1, supersedes and replaces MK-97DF8008-00.
MK-97DF8008-02	November 2008	Revision 2, supersedes and replaces MK-97DF8008-01.
MK-97DF8008-03	February 2009	Revision 3, supersedes and replaces MK-97DF8008-02.
MK-97DF8008EN-04	April 2009	Revision 4, supersedes and replaces MK-97DF8008-03.
MK-97DF8008EN-05	May 2009	Revision 5, supersedes and replaces MK-97DF8008EN-04.
MK-97DF8008EN-06	July 2009	Revision 6, supersedes and replaces MK-97DF8008EN-05.
MK-97DF8008EN-07	August 2009	Revision 7, supersedes and replaces MK-97DF8008EN-06.
MK-97DF8008EN-08	November 2009	Revision 8, supersedes and replaces MK-97DF8008EN-07.
MK-97DF8008EN-09	December 2009	Revision 9, supersedes and replaces MK-97DF8008EN-08.
MK-97DF8008EN-10	January 2010	Revision 10, supersedes and replaces MK-97DF8008EN-09.
MK-97DF8008EN-11	April 2010	Revision 11, supersedes and replaces MK-97DF8008EN-10.
MK-97DF8008EN-12	August 2010	Revision 12, supersedes and replaces MK-97DF8008EN-11.
MK-97DF8008EN-13	September 2010	Revision 13, supersedes and replaces MK-97DF8008EN-12.
MK-97DF8008EN-14	November 2010	Revision 14, supersedes and replaces MK-97DF8008EN-13.
MK-97DF8008EN-15	December 2010	Revision 15, supersedes and replaces MK-97DF8008EN-14.
MK-97DF8008EN-16	February 2011	Revision 16, supersedes and replaces MK-97DF8008EN-15.
MK-97DF8008EN-17	May 2011	Revision 17, supersedes and replaces MK-97DF8008EN-16.
MK-97DF8008EN-18	July 2011	Revision 18, supersedes and replaces MK-97DF8008EN-17.
MK-97DF8008EN-19	August 2011	Revision 19, supersedes and replaces MK-97DF8008EN-18.
MK-97DF8008EN-20	May 2013	Revision 20, supersedes and replaces MK-97DF8008EN-19.
MK-97DF8008EN-21	April 2014	Revision 21, supersedes and replaces MK-97DF8008EN-20.

## Changes in this revision

The following changes were made in this release:

- Revised the port address mapping table in [Chapter 6, Port mapping](#).










## Document organization

The following table provides an overview of the contents and organization of this manual. [Click the chapter title](#) in the first column to go to that chapter. The first page of every chapter or appendix contains a brief list of its contents with links to the pages where the information is located.

Chapter/Appendix Title	Description
<a href="#">Chapter 1, Specifications</a>	This chapter provides the Mechanical, Electrical, Environmental, and other specifications for the Hitachi AMS 2000 Family Storage System.
<a href="#">Chapter 2, Power cables</a>	This chapter describes and illustrates the power cables used with the Hitachi AMS 2000 Family Storage System in different countries.
<a href="#">Chapter 3, System parameters</a>	This chapter describes the system parameters for the Hitachi AMS 2000 Family Storage System.
<a href="#">Chapter 4, Interfaces</a>	This chapter describes the Fibre Channel host interface that is used to connect the array to the host, and describes the Ethernet interface that is used to connect the array to the management console.
<a href="#">Chapter 5, Remote adapter specifications</a>	This chapter describes the remote adapter used with the Hitachi AMS 2000 Family Storage System.
<a href="#">Chapter 6, Port mapping</a>	This chapter provides the port address mapping for the Hitachi AMS 2000 Family Storage System.
<a href="#">Chapter 7, Number of logical blocks</a>	This chapter lists the number of logic blocks used in the Hitachi AMS 2000 Family Storage System.
<a href="#">Chapter 8, RAID levels and configurations</a>	This chapter lists the storage capacities corresponding to RAID levels and configurations supported by the Hitachi AMS 2000 Family Storage System.
<a href="#">Appendix A, Regulatory information</a>	This appendix provides information about the regulatory and compliance rules that govern the installation and operation of the Hitachi AMS 2000 Family Storage System.
<a href="#">Glossary</a>	Defines the acronyms and special terms used in this document.

## Document conventions

This document uses the following symbols to draw attention to important safety and operational information.

Symbol	Meaning	Description
	Tip	Tips provide helpful information, guidelines, or suggestions for performing tasks more effectively.
	Note	Notes emphasize or supplement important points of the main text.
	Caution	Cautions indicate that failure to take a specified action could result in damage to the software or hardware.
	WARNING	Warnings indicate that failure to take a specified action could result in loss of data or serious damage to the hardware.
	DANGER	The Danger symbol warns users of possible injury or death if instructions are not followed.
	ELECTRIC SHOCK HAZARD!	This symbol warns users of electric shock hazard. Failure to take appropriate precautions such as not opening or touching hazardous areas of the equipment could result in injury or death.
	Electrostatic Sensitive	The ESD symbol warns users that the equipment is sensitive to electrostatic discharge (ESD) and could be damaged if users do not take appropriate precautions such as using a grounded wrist strap when touching or handling the equipment.
	Burn Hazard	HOT SURFACE! Turn off power and allow to cool before touching.
	Sharp Edges or Corners	WARNING! Sharp edges or corners. Avoid touching or wear gloves.

The following typographic conventions are used in this document.

Convention	Description
<b>Bold</b>	Indicates text on a window, other than the window title, including menus, menu options, buttons, fields, and labels. Example: Click <b>OK</b> .
<i>Italic</i>	Indicates a variable, which is a placeholder for actual text provided by the user or system. Example: copy <i>source-file target-file</i> Angled brackets (< >) are also used to indicate variables.
screen/code	Indicates text that is displayed on screen or entered by the user. Example: # <code>pairdisplay -g oradb</code>
< > angled brackets	Indicates a variable, which is a placeholder for actual text provided by the user or system. Example: # <code>pairdisplay -g &lt;group&gt;</code>  Italic font is also used to indicate variables.
[ ] square brackets	Indicates optional values. Example: [ a   b ] indicates that you can choose a, b, or nothing.

Convention	Description
{ } braces	Indicates required or expected values. Example: { a   b } indicates that you must choose either a or b.
vertical bar	Indicates that you have a choice between two or more options or arguments. Examples: [ a   b ] indicates that you can choose a, b, or nothing. { a   b } indicates that you must choose either a or b.
underline	Indicates the default value. Example: [ <u>a</u>   b ]

## Convention for storage capacity values

Physical storage capacity values (e.g., disk drive capacity) are calculated based on the following values:

Physical capacity unit	Value
1 KB	1,000 bytes
1 MB	1,000 KB or 1,000 <sup>2</sup> bytes
1 GB	1,000 MB or 1,000 <sup>3</sup> bytes
1 TB	1,000 GB or 1,000 <sup>4</sup> bytes
1 PB	1,000 TB or 1,000 <sup>5</sup> bytes
1 EB	1,000 PB or 1,000 <sup>6</sup> bytes

Logical storage capacity values (e.g., logical device capacity) are calculated based on the following values:

Logical capacity unit	Value
1 block	512 bytes
1 KB	1,024 (2 <sup>10</sup> ) bytes
1 MB	1,024 KB or 1024 <sup>2</sup> bytes
1 GB	1,024 MB or 1024 <sup>3</sup> bytes
1 TB	1,024 GB or 1024 <sup>4</sup> bytes
1 PB	1,024 TB or 1024 <sup>5</sup> bytes
1 EB	1,024 PB or 1024 <sup>6</sup> bytes

## Related documents

The AMS 2000 Family user documentation is available on the Hitachi Data Systems Portal: <https://portal.hds.com>. Please check this site for the most current documentation, including important updates that may have been made after the release of the product.

This documentation set consists of the following documents.


### Release notes

- Adaptable Modular Storage System Release Notes
- Storage Navigator Modular 2 Release Notes



Please read the release notes before installing and/or using this product. They may contain requirements and/or restrictions not fully described in this document, along with updates and/or corrections to this document.

## Installation and getting started

The following documents provide instructions for installing an AMS 2000 Family storage system. They include rack information, safety information, site-preparation instructions, getting-started guides for experienced users, and host connectivity information. The symbol  identifies documents that contain initial configuration information about Hitachi AMS 2000 Family storage systems.

 **AMS2100/2300 Getting Started Guide**, MK-98DF8152

Provides quick-start instructions for getting an AMS 2100 or AMS 2300 storage system up and running as quickly as possible.

 **AMS2500 Getting Started Guide**, MK-97DF8032

Provides quick-start instructions for getting an AMS 2500 storage system up and running as quickly as possible.

**AMS 2000 Family Site Preparation Guide**, MK-98DF8149

Contains site planning and pre-installation information for AMS 2000 Family storage systems, expansion units, and high-density expansion units. This document also covers safety precautions, rack information, and product specifications.

**AMS 2000 Family Fibre Channel Host Installation Guide**,  
MK-08DF8189

Describes how to prepare Hitachi AMS 2000 Family Fibre Channel storage systems for use with host servers running supported operating systems.

**AMS 2000 Family iSCSI Host Installation Guide**, MK-08DF8188

Describes how to prepare Hitachi AMS 2000 Family iSCSI storage systems for use with host servers running supported operating systems.

## Storage and replication features

The following documents describe how to use Storage Navigator Modular 2 (Navigator 2) to perform storage and replication activities.

**Storage Navigator 2 Advanced Settings User's Guide**, MK-97DF8039

Contains advanced information about launching and using Navigator 2 in various operating systems, IP addresses and port numbers, server certificates and private keys, boot and restore options, outputting configuration information to a file, and collecting diagnostic information.

**Storage Navigator Modular 2 User's Guide, MK-99DF8208**

Describes how to use Navigator 2 to configure and manage storage on an AMS 2000 Family storage system.

**AMS 2000 Family Dynamic Provisioning Configuration Guide, MK-09DF8201**

Describes how to use virtual storage capabilities to simplify storage additions and administration.

**Storage Navigator 2 Storage Features Reference Guide for AMS, MK-97DF8148**

Contains concepts, preparation, and specifications for Account Authentication, Audit Logging, Cache Partition Manager, Cache Residency Manager, Data Retention Utility, LUN Manager, Performance Monitor, SNMP Agent, and Modular Volume Migration.

**AMS 2000 Family Copy-on-write SnapShot User Guide, MK-97DF8124**

Describes how to create point-in-time copies of data volumes in AMS 2100, AMS 2300, and AMS 2500 storage systems, without impacting host service and performance levels. Snapshot copies are fully read/write compatible with other hosts and can be used for rapid data restores, application testing and development, data mining and warehousing, and nondisruptive backup and maintenance procedures.

**AMS 2000 Family ShadowImage In-system Replication User Guide, MK-97DF8129**

Describes how to perform high-speed nondisruptive local mirroring to create a copy of mission-critical data in AMS 2100, AMS 2300, and AMS 2500 storage systems. ShadowImage keeps data RAID-protected and fully recoverable, without affecting service or performance levels. Replicated data volumes can be split from host applications and used for system backups, application testing, and data mining applications while business continues to operate at full capacity.

**AMS 2000 Family TrueCopy Remote Replication User Guide, MK-97DF8052**

Describes how to create and maintain multiple duplicate copies of user data across multiple AMS 2000 Family storage systems to enhance your disaster recovery strategy.

**AMS 2000 Family TrueCopy Extended Distance User Guide, MK-97DF8054**

Describes how to perform bi-directional remote data protection that copies data over any distance without interrupting applications, and provides failover and recovery capabilities.

## **AMS 2000 Data Retention Utility User's Guide, MK-97DF8019**

Describes how to lock disk volumes as read-only for a certain period of time to ensure authorized-only access and facilitate immutable, tamper-proof record retention for storage-compliant environments. After data is written, it can be retrieved and read only by authorized applications or users, and cannot be changed or deleted during the specified retention period.

## **Storage Navigator Modular 2 online help**

Provides topic and context-sensitive help information accessed through the Navigator 2 software.

## **Hardware maintenance and operation**

The following documents describe how to operate, maintain, and administer an AMS 2000 Family storage system. They also provide a wide range of technical information and specifications for the AMS 2000 Family storage systems. The symbol ? identifies documents that contain initial configuration information about Hitachi AMS 2000 Family storage systems.

### **AMS 2100/2300 Storage System Hardware Guide, MK-97DF8010**

Provides detailed information about installing, configuring, and maintaining an AMS 2100/2300 storage system.

### **AMS 2500 Storage System Hardware Guide, MK-97DF8007**

Provides detailed information about installing, configuring, and maintaining an AMS 2500 storage system.

### **AMS 2000 Family Storage System Reference Guide, MK-97DF8008** — this document

Contains specifications and technical information about power cables, system parameters, interfaces, logical blocks, RAID levels and configurations, and regulatory information about AMS 2100, AMS 2300, and AMS 2500 storage systems. This document also contains remote adapter specifications and regulatory information.

### **AMS 2000 Family Storage System Service and Upgrade Guide, MK-97DF8009**

Provides information about servicing and upgrading AMS 2100, AMS 2300, and AMS 2500 storage systems.

### **AMS 2000 Family Power Savings User Guide, MK-97DF8045**

Describes how to spin down volumes in selected RAID groups when they are not being accessed by business applications to decrease energy consumption and significantly reduce the cost of storing and delivering information.

## Command and Control (CCI)

The following documents describe how to install the Hitachi AMS 2000 Family Command Control Interface (CCI) and use it to perform TrueCopy and ShadowImage operations.

### **AMS 2000 Family Command Control Interface (CCI) Installation Guide**, MK-97DF8122

Describes how to install CCI software on open-system hosts.

### **AMS 2000 Family Command Control Interface (CCI) Reference Guide**, MK-97DF8121

Contains reference, troubleshooting, and maintenance information related to CCI operations on AMS 2100, AMS 2300, and AMS 2500 storage systems.

### **AMS 2000 Family Command Control Interface (CCI) User's Guide**, MK-97DF8123

Describes how to use CCI to perform TrueCopy and ShadowImage operations on AMS 2100, AMS 2300, and AMS 2500 storage systems.

## Command Line Interface (CLI)

The following documents describe how to use Hitachi Storage Navigator Modular 2 to perform management and replication activities from a command line.

### **Storage Navigator Modular 2 Command Line Interface (CLI) Unified Reference Guide**, MK-97DF8089

Describes how to interact with all Navigator 2 bundled and optional software modules by typing commands at a command line.

### **Storage Navigator 2 Command Line Interface Replication Reference Guide for AMS**, MK-97DF8153

Describes how to interact with Navigator 2 to perform replication activities by typing commands at a command line.

## **Dynamic Replicator documentation**

The following documents describe how to install, configure, and use Hitachi Dynamic Replicator to provide AMS Family storage systems with continuous data protection, remote replication, and application failover in a single, easy-to-deploy and manage platform.

**Hitachi Dynamic Replicator - Scout Release Notes** (RN-99DF8211)

**Hitachi Dynamic Replicator - Scout Host Upgrade Guide**  
(MK-99DF8267)

**Hitachi Dynamic Replicator - Scout Host User Guide**  
(MK-99DF8266)

**Hitachi Dynamic Replicator - Scout Installation and Configuration Guide** (MK-98DF8213)

**Hitachi Dynamic Replicator - Scout Quick Install/Upgrade Guide**  
(MK-98DF8222)

## Getting help

If you need to contact the Hitachi Data Systems support center, please provide as much information about the problem as possible, including:

- The circumstances surrounding the error or failure.
- The exact content of any messages displayed on the host systems.
- The exact content of any messages displayed on Storage Navigator Modular 2.
- The Storage Navigator Modular 2 configuration information. This information is used by service personnel for troubleshooting purposes.

The Hitachi Data Systems customer support staff is available 24 hours a day, seven days a week. If you need technical support, please log on to the Hitachi Data Systems Portal for contact information: <https://portal.hds.com>

## Comments

Please send us your comments on this document: [doc.comments@hds.com](mailto:doc.comments@hds.com). Include the document title, number, and revision, and refer to specific sections and paragraphs whenever possible.

***Thank you!*** (All comments become the property of Hitachi Data Systems.)



# Specifications

This chapter provides the specifications for the Hitachi AMS 2000 Family Storage System. It covers the following topics:

- ❑ Mechanical specifications
- ❑ Electrical specifications
- ❑ Equipment with NEBS (Network Equipment-Building System) specifications
- ❑ Environmental specifications
- ❑ Expansion tray intermix rules
- ❑ Supported network standards
- ❑ Supported communication modes
- ❑ Supported host operating systems
- ❑ Supported operating systems for Navigator 2
- ❑ System reliability
- ❑ Regulatory compliance

## Mechanical specifications

Table 1-1 and Table 1-2 list the mechanical specifications of the AMS 2100/2300 storage systems. Table 1-3 lists the mechanical specifications of the AMS 2500 storage system. Table 1-11 lists the maximum number of disk drives when intermixing RKAK, RKAKX, and RKAKS expansion units.

**Table 1-1: AMS 2100/2300 Mechanical Specifications**

Configuration		AMS 2100 Base Unit	AMS 2300 Base Unit	Exp Unit RKAK	High-density Exp. Unit RKAKX	Modular 2U Exp. Unit RKAKS
Disk Drives	Disk drive size inches (mm)	Width: 4.0 (101.6) Depth: 5.79 (47.0) Height: 1.03 (26.1)				Width: 3.2 (81.6) Depth: 8.1 (205.7) Height: 0.74 (18.7)
	Data capacity (GB) <sup>1</sup>	142.61, 195.82, 287.62, 392.73, 439.44, 491.25, 575.30, 1956.94, 1968.52, 2953.31 <sup>2</sup>				287.62 GB 575.30 GB
	Rotational speed (RPM)	15,000 RPM: 142.61, 287.62, 439.44, 575.30 GB 10,000 RPM: 392.73 GB 7,200 RPM <sup>2</sup> : 491.25, 983.69, 1956.94, 1968.52 , 2953.31 GB Flash Drive : 195.82 GB				10,000 RPM • 287.62 GB • 575.30 GB
	Maximum number of disk drives	15	15	15	38 SAS or SAS(SED) 48 SATA 48 SAS7.2K	24
Host Interface	Interface type	<ul style="list-style-type: none"> <li>4 Gbps Fibre Channel Optical</li> <li>1 Gbps iSCSI (1000 Base-T)</li> <li>10 Gbps (Optical) iSCSI</li> </ul>	<ul style="list-style-type: none"> <li>4 Gbps and 8 Gbps Fibre Channel Optical</li> <li>1 Gbps iSCSI (1000 Base-T)</li> <li>10 Gbps (Optical) iSCSI</li> </ul>	n/a	n/a	n/a
	Data transfer speed (i.e. maximum speed for transfer to host)	<ul style="list-style-type: none"> <li>400 MB/sec (Fibre Channel)</li> <li>100 MB/s (iSCSI)</li> </ul>	<ul style="list-style-type: none"> <li>800 MB/sec (Fibre Channel)</li> <li>100 MB/s (iSCSI)</li> </ul>			
	Number of host connectors (dual controllers)	Fibre Channel 2 per control unit, 4 total iSCSI 2 per control unit, 4 total	Fibre Channel 4 per control unit, 8 total iSCSI 2 per control unit, 4 total			
	Transferred block size (bytes)	512	512			

**Table 1-1: AMS 2100/2300 Mechanical Specifications**

RAID Specifications <sup>3</sup>	RAID Level <sup>4</sup>		With SAS, SAS(SED), SAS7.2 Flash drives: 0, 1, 5, 6, 1+0 With SATA drives: 1, 5, 6+0	
	RAID Configuration (Unit of addition)	RAID 0	With SAS or SAS (SED), SAS7.2, Flash drives: 2D to 16D SATA drives do not support RAID 0.	
		RAID 1	1D+1D	
		RAID 5	2D+1P to 15D+1P	
		RAID 6	2D+2P to 28D+2P	
		RAID 1+0	2D+2D to 8D+8D	

1. These storage capacities are calculated as 1 GB = 1,000,000,000 bytes. See the Preface of this manual for more information on storage capacity values.
2. RKAKX supports 439.44 G bytes, 575.30 G bytes, 983.69 G byte, 1956.94 G bytes, 1968.52 G bytes, or 2953.31 G bytes.
- 3.D: Data disk, P: Parity disk
4. Although when configured with RAID6, RAID 5, RAID 1, or RAID 1+0, the array provides data reliability enhanced by means of redundancy, a possibility remains that user data is lost owing to an unexpected failure of a host computer or hardware/software of the array itself. Therefore, users are requested to back up all data for restoration in case where the original data is lost. RAID 0+1 is described in place of RAID 1+0 in some places in this manual. However, it has the same meaning as RAID 1+0.

**Table 1-2: AMS 2100/AMS 2300 Mechanical Specifications**

Configuration		AMS 2100/2300 Base Unit	Expansion Unit RKAK	High-density Expansion Unit RKAKX	Modular 2U Exp. Unit RKAKS	
Internal Logic Specifications	Control memory	Flash memory: 8 MBL2 Cache memory: • 512 kbytes (AMS2100) • 2 MB (AMS2300) SRAM: • 256 MB (AMS2100) • 512 MB (AMS2300)	N/A	N/A	N/A	
	Data assurance method	Data bus: Parity • Cache memory: ECC (1 bit for correction, 2 bits for detection) • Disk drive: Data assurance code				
Physical Specifications	Start-up time (min)	RKS, RKES, RKM, RKEM, RKAK/RKAKS-Standard: 4 / RKAKX-Standard 5 <sup>1</sup>				
	Required space in rack (EIA unit)	4U	3U	4U	2U	
	Dimensions inches (mm)	Height	6.9 (174)	5.1 (129)	6.93 (176)	3.4 (86.2)
		Width	19.0 (483)	19.0 (483)	19 (483)	18.9 (480.8)
		Depth	25.6 (649)	25.6 (649)	33 (840)	20.8 (528.1)
	Weight lbs (kg) <sup>2</sup>	112 (51)	88 (40) approx	178 (81) approx	50.6 (23) approx	
Acoustic noise (dB) <sup>3</sup>	60 approx.	60 approx.	62 approx.	60 approx.		

**Table 1-2: AMS 2100/AMS 2300 Mechanical Specifications (Continued)**

Configuration		AMS 2100/2300 Base Unit	Expansion Unit RKAK	High-density Expansion Unit RKAKX	Modular 2U Exp. Unit RKAKS
Cache Specifications	Capacity (MB per controller)	<ul style="list-style-type: none"> <li>AMS2100: 2,048 or 4,096</li> <li>AMS2300: 4,096 or 8,192</li> </ul>	N/A	N/A	N/A
	Control method	Read LRU/Write after			
	Battery backup	Provided			
	Backup duration (hrs) <sup>4</sup>	AMS2100: <ul style="list-style-type: none"> <li>48 hrs for 4,096 MB cache (2,048 MB per controller)</li> <li>72 hrs for 2,048 MB cache (1,024MB per controller)</li> </ul> AMS2300: <ul style="list-style-type: none"> <li>24 hrs for 8152 MB cache (4,096 MB per controller)</li> <li>36 hrs for 4,096 MB cache (2,048 MB per controller)</li> </ul>			
Insulation Performance	Insulation withstand voltage	AC 1,500 V (10 mA, 1 min)			
	Insulation resistance	DC 500 V, 10 M $\Omega$ or more			

- 1.
2. Value of maximum configuration (where all the mountable disk drives and controller are mounted).
3. The standard noise value may be exceeded when the array is running at maximum load in a high-temperature environment or when a failure occurs in one part of the system because the array will run hotter and the fans will automatically run at high speed to keep the unit cool. The fans are noisier when running at high speed. Noise is measured on the A scale one meter away from the front end of the system. The maximum ambient temperature allowed is 32°C.

#### 4. Notes:

- The backup time of the data on the cache memory is based on two fully charged batteries. The data in the cache memory is protected against sudden power failures. It transfers data in the cache memory to disk drives by turning off the power, preventing the battery charge from being wasted.
- If the voltage in the cache backup batteries falls below a preset level, the orange Warning LED on the battery may turn ON. If that happens, there is not enough charge left in the battery to keep the cache alive after a power failure. At that time, the array enters the Cache Backup mode and automatically disables the write cache function. When the battery is charged again, the warning LED turns OFF and the write cache function is enabled again.
- The battery should be fully charged within 6 hours and the warning LED should turn OFF. The array operates normally while the battery is being charged, even if the warning LED is on. However performance will be slower because the write cache function is disabled and the array is using the write-through mode instead.
- The battery can be damaged by operating at a high ambient temperature. See the operating temperature specifications in this chapter. Avoid using a battery continuously at high temperature.
- The batteries can also be damaged if they are allowed to discharge completely. If the array is not turned on for more than 12 months, the backup batteries can completely discharge and may not be able to be charged again. To prevent this from happening, turn the array on for at least 24 hours at least once every six months.

**Table 1-3: AMS 2500 Mechanical Specifications**

Configuration		AMS 2500 Base Unit	Expansion Unit RKAK	High-density Exp. Unit RKAKX	Modular 2U Exp. Unit RKA KS
	Minimum number of units	1	AMS 2500 system must have at least one expansion unit or high-density expansion unit.		
	Maximum number of units	1	32	10	20
Disk Drives	Disk drive size (WxDxH) (mm)		101.6 x147.0 (Max) x 26.1 (Max)		81.6 x 205.7 x 18.7
	Disk drive data capacity (GB) <sup>1</sup>		142.61, 195.82, , 287.62392.73 439.44, 491.25, 575.30, 983.69, 1956.94, 1968.52, 2953.31 <sup>2</sup>		287.62 575.30
	Rotational speed (RPM)		<ul style="list-style-type: none"> <li>• 142.61, 287.62, 439.44, 575.30 GB: 15,000</li> <li>• 392.73 GB: 10,000</li> <li>• 491.25, 983.69, 1956.94, 1968.52, 2953.31 GB: 7,200<sup>2</sup></li> <li>• 195.82 GB: Flash Drive</li> </ul>		2 87.62 : 10,000 575.30 : 10,000
	Maximum number of drives per unit	15	15	38 (SAS/SAS)SED drives) 48 (SATA drives) 48 (SAS7.2K drive)	24
Host Interface	Interface type	4 Gbps and 8Gbps Fibre Channel Optical 1 Gbps iSCSI (1000Base-T) 10 Gbps (Optical) iSCSI	N/A	N/A	N/A
	Data transfer speed (maximum speed for transfer to host)	800 MB/s (Fibre Channel) 1000 MB/s (iSCSI)			
	Number of ports (dual controller)	AMS 2500: Fibre Channel : 16 iSCSI: 8			
	Transferred block size (bytes)	512			
RAID Specifications <sup>3</sup>	RAID Level <sup>4</sup>	SAS/SAS(SED)/SAS7.2K/Flash drives mounted: 0/1/5/6/1+0 SATA drives mounted: 1/5/6/1+0			
	RAID Configuration (Unit of addition)	RAID 0 SAS/SAS(SED)/SAS7.2K/Flash drives mounted: 2D to 16D SATA drives do not support RAID 0.			
		RAID 1: 1D+1D			
		RAID 5: 2D+1P to 15D+1P <sup>5</sup>			
		RAID 6: 2D+2P to 28D+2P			
		RAID 1+0: 2D+2D to 8D+8D			

**Table 1-3: AMS 2500 Mechanical Specifications (Continued)**

Configuration		AMS 2500 Base Unit	Expansion Unit RKAK	High-density Exp. Unit RKAKX	Modular 2U Exp. Unit RKAKS
Internal Logic Specifications	Control memory	Flash memory: 8 MB L2 Cache memory: 512 kbytes (AMS2100) 2 MB (AMS2300) SRAM: 256 MB (AMS2100) 512 MB (AMS2300)	N/A	N/A	N/A
	Data assurance method	Data bus: Parity Cache memory: ECC (1 bit for correction, 2 bits for detection) disk drive: Data assurance code			
	Start-up time (min)	Standard: 5 <sup>6</sup>			
Physical Specifications	Required space in rack (EIA unit)	4U	3U	4U	2U
	Dimensions	Height 6.9 (174)	5.1 (129)	6.93 (176)	3.4 (86.2)
		Width 19.0 (483)	19 (483)	19 (483)	18.9 (480.8)
		Depth 25.6 (649)	25.6 (649)	33 (840)	20.8 (528.1)
	Weight lbs. (kg) <sup>7</sup>	112 (51 Kg)	88 (40)	178 (81) approx	50.6 (23)
	Acoustic noise (dB) <sup>8</sup>	60 approx.	60 approx.	62 approx.	60 approx.
Cache Specifications	Capacity (M bytes/CTL)	8,192 / 16,384	N/A	N/A	N/A
	Control method	Read LRU/Write after			
	Battery backup	Provided			
	Backup duration (h) <sup>9</sup>	24: (When Cache of 4,096 M bytes/CTL) 48: (When Cache of 2,048 M bytes/CTL) 96 <sup>10</sup> (When cache of 4,096 Mbytes/CTL) 168 <sup>11</sup> (When cache of 2,048 Mbytes/CTL)			

1. This values of storage capacity are calculated as 1 GB = 1,000,000,000 bytes. See [Convention for storage capacity values](#) in the Preface of this manual.

2. RKAKX supports 439.44 G bytes, 575.30 G bytes, 983.69 G bytes, 1956.94 G bytes, 1968.52, or 2953.31 G bytes.

3. D: Data disk, P: Parity disk

4. Although when configured with RAID 6, RAID 5, RAID 1, or RAID 1+0, the array provides data reliability enhanced by means of redundancy, a possibility remains that user data may be lost due to an unexpected failure of a host computer or hardware/software of the array itself. Therefore, users are requested to back up all data for restoration in case where the original data is lost. RAID 0+1 is described in place of RAID 1+0 in some places in this manual. However, it has the same meaning as RAID 1+0.
5. 6D+1P or less is recommended.
6. The start-up time may be longer than four minutes (RKAKX: five minutes) depending on the configuration.
7. This standard value may be exceeded when the maximum load continues under high-temperature environment or when a failure occurs in one part of the system because the internal temperature of the system controls the speed of the fan. (Environmental temperature: 32°C or less) Measured in the A scale at the position one meter away from the front end of the system and one.
8. It may exceed this standard value when the maximum load continues under high-temperature environment or when a failure occurs in one part of the system because the internal temperature of the system controls the rotating speed of the FAN. (Environmental temperature: 32°C or less/ In case of RKAKX, Environmental temperature: 30°C or less) Measured in the A scale at the position one meter away from the front end of the system.
9. Notes:

The backup time of the data on the cache memory is based on two fully charged batteries. The data in the cache memory is protected against sudden power failures. It transfers data from the cache memory to disk drives by turning off the power, preventing the battery charge from being wasted.

If the voltage in the cache backup batteries falls below a preset level, the orange Warning LED on the battery may turn ON. If that happens, there is not enough charge left in the batteries to keep the cache alive after a power failure. At that time, the array enters the Cache Backup mode and automatically disables the write cache function. When the batteries are fully charged again, the warning LED turns OFF and the write cache function is enabled again.

The battery should be fully charged within 6 hours and the warning LED should turn OFF. The array operates normally while the battery is being charged, even if the warning LED is ON. However, performance will be slower because the write cache function is disabled and the array is using the write-through mode instead.

The battery can be damaged by operating at a high ambient temperature. See the operating temperature specifications in this chapter. Avoid using a battery continuously at high ambient temperature.

The batteries can also be damaged if they are allowed to discharge completely. If the array is not turned on for more than 12 months, the backup batteries can completely discharge and may not be able to be charged again. To prevent this from happening, turn the array on for at least 24 hours at least once every six months.

10. Installing the two additional battery boxes is required.

## Battery expansion unit

Table 1-4 lists the mechanical specifications for the battery expansion unit. These specifications apply to both the AC and DC units.

**Table 1-4: Battery Expansion Unit (AC and DC) Mechanical Specifications**

Item	Specification
Size ( W x D x H ) inches (mm)	18.9 x 24.5 x 1.7 (479.6 x 623 x 43)
Weight lb. (kg)	approximately 33 (15)
Time to fully charge battery	24 hrs or less, depending on the amount of discharge.

## Electrical specifications

**Table 1-5: AMS 2100/2300 Electrical Specifications**

Item		Base Unit	Expansion Unit and RKAKS Modular 2U Exp. Unit	High-density Expansion Units RKAKX
Volts AC		100/200 (89 to 127/178 to 254)		
Frequency (Hz)		50/60 +/- 1		
Number of Phases, Cabling		Single phase plus ground (3 wire)		
Steady-state Current (amps) <sup>1,2</sup>		3.8 x 2 /1.9 x 2	2.4 x 2 /1.2 x 2	3.7 x 4/1.9 x 4
Breaking Current (A)		16.0	16.0	16.0
Heat Value (kJ/h)		2,670 or less	1,660 or less	28,585 or less
Required Power <sup>3</sup>	Steady State Current (VA/W)	760/740 or less	480 /460 or less	1,480 /1,440 or less
	Starting state (VA/W)	760/740 or less	480 /460 or less	1,480 /1,440 or less
Electrical Insulation Performance	Insulation Withstands Voltage	AC 1,500 V (10 mA, 1 min)		
	Insulation Resistance	DC 500 V, 10 MΩ or more		

1.The power current of Nx2 described in this table is required for operation by a single power supply unit.

2.When one of the two power supply units fails, the other power supply provides the total power to the unit that the two supplies together did before the failure. The operating power supply therefore draws the same total current as the two supplies did before the failure. To make sure that either power supply can operate in this manner, ensure that the PDUs in the rack can supply twice the normal power of the units plugged into it.

3. Power requirement in the case of the maximum configuration is shown. When planning facilities such as the uninterruptured power supply (UPS), specify the power factor as 100% for calculation. Value at 100 V/200 V is shown.

(Example: 300 W = 300 VA)

The actual required power may exceed the value shown in the table when the tolerance is included.

**Table 1-6 - AMS 2500 Electrical Specifications (AC)**

Item		Base Unit	Expansion Unit and RKAKS Modular 2U Exp. Unit	RKAKX High-density Expansion Unit
Volts AC		100/200 (89 to 127/178 to 254)		
Frequency (Hz)		50/60 +/- 1		
Number of Phases, Cabling		Single phase plus ground (3 wire)		
Steady-state Current (amps) <sup>1,2</sup>		3.8 x 2 /1.9 x 2	2.4 x 2 /1.2 x 2	3.7 x 4/1.9 x 4
Breaking Current (A)		16.0	16.0	16.0
Heat Value (kJ/h)		1,440 or less	1,660 or less	5,190 or less
Required Power <sup>3</sup>	Steady State Current (VA/W)	440/400 or less	480/460 or less	1,480 /1,440 or less
	Starting state (VA/W)	440/400 or less	480/460 or less	1,480 /1,440 or less
Electrical Insulation Performance	Insulation Withstands Voltage	AC 1,500 V (10 mA, 1 min)		
	Insulation Resistance	DC 500 V, 10 MΩ or more		

- 1.The power current of N + 2 described in this table is required for operation by a single power supply unit.
- 2.When one of the two power supply units fails, the other power supply provides the total power to the unit that the two supplies together did before the failure. The operating power supply therefore draws the same current as the two supplies did before the failure. To make sure that either power supply can operate in this manner, ensure that the PDUs in the rack can supply twice the normal power of the units plugged into it.
3. Power requirement in the case of the maximum configuration is shown. When planning facilities such as the uninterruptured power supply (UPS), specify the power factor as 100% for calculation. Value at 100 V/200 V is shown.

(Example: 300 W = 300 VA)

The actual required power may exceed the value shown in the table when the tolerance is included.

**Table 1-7 - AMS 2500 Electrical Specifications (DC)**

Item		Base Unit RKHE2D	Expansion Unit RKAKD
Volts DC		-40 to -72	
Steady-state Current (amps)		4.2 x 2	4.6 x 2
Breaking Current (A)		20	30
Heat Value (kJ/h)		1,440 or less	1,590 or less
Required Power <sup>1</sup>	Steady State Current (VA/W) <sup>2 3</sup>	400	440
	Starting state (VA/W)	400	440
Electrical Insulation Performance	Insulation Resistance	DC 500 V, 10 MΩ or more	

1. The power current of N x 2 described in this table is required for operation by a single power supply unit.
2. When one of the two power supply units fails, another power supply unit requires electric current for the two power supply units. Therefore, plan the power supply facility in which the current carrying capacity of one of the power supply units is a total capacity of the two power supply units.
3. Power requirement in the case of the maximum configuration is shown. When planning facilities such as the uninterruptible power supply (UPS), specify the power factor as 100% for calculation. Value at 100 V / 200 V is shown (Example: 300 W = 300 VA). The actual required power may exceed the value shown in the table when the tolerance is included.

**Table 1-8: Battery Expansion Unit Electrical Specifications (AC and DC)**

Item		Specification (N1RK Battery)
AC Input power Specifications	Input voltage (VAC)	AC 100/200 (89 to 127/178 to 254)
	Steady-state current (A)	1.0/0.5
	Power Consumption (VA/W)	100/100
	Heat value (kJ/h)	360
DC Input power specifications	Input voltage (VDC)	-40 to -72
	Steady-state current (A)	1.5
	Power Consumption (VA/W)	72/72
	Heat value (kJ/h)	260

## Equipment with NEBS (Network Equipment-Building System) specifications

In the Hitachi Adaptable Modular Storage 2500 Series Disk Array Subsystem, the DF800-RKHED with the DF-F800-UBKD attached and the DF800-RKAKD and the DF800-N1RKD with the DF-F800-UBKAD are the equipment with the NEBS (Network Equipment-Building System) specifications.

The equipment with the NEBS specifications is suitable for use in Telecommunications Facilities.

The equipment with the NEBS specifications is suitable for use in the CBN (Common Bonding Network).

## Environmental specifications

To maintain the Hitachi Adaptable Modular Storage Series performance, the Hitachi Adaptable Modular Storage Series must be installed in a proper environment. Do not install the array in the following places because the equipment life will be shortened or the equipment will fail:

- A place where the system is exposed to direct sunlight
- A place where the temperature and humidity varies greatly
- A place near an apparatus that generates electric noise
- A place near an apparatus that generates a strong magnetic field
- A very dusty place
- A place exposed to frequent vibrations
- A place with an inclined floor

Table 1-9 lists the temperature and humidity requirements for the Hitachi AMS 2000 Family Storage System.

**Table 1-9: Environmental Specifications (All Models)**

Item		Base and Expansion Units (all models) <sup>1</sup>	Notes
Temperature	In operation (°C)	10 to 40 <sup>2</sup>	
	In non-operation (°C)	-10 to 50	
	In transport/storage (°C)	-30 to 60	
	Temperature change rate (°C/h)	10 or less	
Humidity	In operation (%)	8 to 80 <sup>3</sup>	
	In non-operation (%)	8 to 90 <sup>4</sup>	
	Maximum wet bulb temperature (°C)	29 (non-condensing)	
Vibration	In operation (m/s <sup>2</sup> )	2.5 or less	Within 5 seconds (Resonance point: 10Hz or less)
	In non-operation (m/s <sup>2</sup> )	5.0 or less	
	In transport (packed) (m/s <sup>2</sup> )	5.0 or less	
Impact	In operation (m/s <sup>2</sup> )	20 or less	10 ms, half sine wave
	In non-operation (m/s <sup>2</sup> )	50 or less	
	In transport (packed) (m/s <sup>2</sup> )	80 or less	
Angle at which the array will turn over (°)		15° or more	To be measured when installed on leveling bolts.
Altitude	In operation (m)	-60 to 3,000 <sup>5</sup> (ambient temperature 10 to 40°C)	
	In non-operation (m)	-60 to 12,000	
Atmosphere		No corrosive gas or salty air	
Acoustic noise (dB)		60 (Environmental temperature: 32°C or less) <sup>6</sup>	Measured in the A scale at the position one meter away from the front end of the array and one.

1. RKAKX specification is 10 to 35
2. NEBS specification: 5°C to 40°C, -5°C to +55°C/16 hours
3. NEBS specification: 5% to 85%
4. NEBS specification: 5% to 100%
5. NEBS specification:  
Above sea level: -60m to 1800 m (Ambient temperature: 5°C to 40°C), Above sea level: 1800m to 4000m (Ambient temperature: 5°C to 30°C)
6. The standard value may be exceeded when the maximum load continues under high-temperature environment or when a failure occurs in one part of the system because the internal temperature of the system controls the rotating speed of the fans.

## Expansion tray intermix rules

The Hitachi Data Systems AMS 2000 Family of storage systems is a set of flexible, modular components that can be assembled in a wide variety of ways to meet the storage needs of a variety of businesses. This section includes the supported system configurations that show the combinations of equipment that are supported by Hitachi Data Systems.

The maximum number of disk drives varies when configuring systems with an intermix of expansion units and high density expansivity units.

The following applies to the AMS2100, AMS2300 and AMS2500.

- Back-end load calculations are based on the number of expansion trays plus the system tray for AMS2100 and AMS2300.
- The DF-F800-RKAKX (RKAKX) can be thought of as two 24 HDD trays. It is always counted as 24 HDDs to the path even though SAS is limited to 19 HDDs.
- Use the following for these calculations:

**Table 1-10: Supported system configurations**

Tray	Physical HDDs per Tray	Logical HDDs per Tray	Physical HDDs per Path	Logical HDDs per Path	Number of paths per Unit
DF-F800-RK2	15	15	15	15	1
DF-F800-RKAK	15	15	15	15	1
DF-F800-RKAKS	24	24	24	24	1
DF-F800-RKAKX (SATA)	48	48	24	24	2
DF-F800-RKAKX (SAS)	38	48	19	24	2

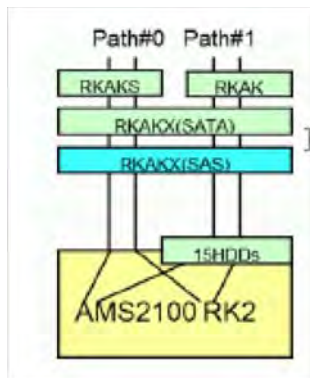
## AMS2100

All of the following conditions must be satisfied for the configuration:

- Condition 1:
  - Path 0 - there can be a maximum of 4 units
  - Path 1 - there can be a maximum of 3 units
- Condition 2: Max logical HDDs per path = 87
- Condition 3: Max logical HDDs per system = 159

In the following example (Figure 1-1) all three conditions have been met.

- Condition 1
  - Path 0 = 3 units
  - Path 1 = 4 units
- Condition 2
  - Path 0 has 63 logical HDDs
  - Path 1 has 78 logical HDDs
- Condition 3
  - 141 logical HDDs for the system.



**Figure 1-1: AMS 2100 Back-end**

To use AMS 2100/2300 systems efficiently, Hitachi Data Systems recommends that users mount a spare drive in each of the unused drive slots. Up to 15 spare disks can be set up in any location with an AMS 2100 and up to 30 spare disk drives with an AMS 2300

## AMS 2300

All of the following conditions must be satisfied for the configuration:

- Condition 1:
  - Path 0 - there can be a maximum of 8 units
  - Path 1 - there can be a maximum of 7 units
- Condition 2: Max logical HDDs per path = 120
- Condition 3: Max logical HDDs per system = 240

In the following example (Figure 1-2) all three conditions have been met. .

- Condition 1
  - Path 0 = 4 units
  - Path 1 = 5 units
- Condition 2
  - Path 0 has 96 logical HDDs
  - Path 1 has 102 logical HDDs.
- Condition 3 = 189 logical HDDs for the system.

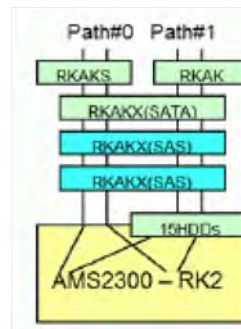


Figure 1-2: AMS 2300 Back-end

## AMS 2500

All of the following conditions must be satisfied for the configuration:

- Condition 1: There can be a maximum of 8 units for any path
- Condition 2: Max logical HDDs per path = 120
- Condition 3: Max logical HDDs per system = 480

In the following example (Figure 1-3) all three conditions have been met.

- Condition 1
  - Path 0 = 5
  - Path 1 = 5
  - Path 2 = 5
  - Path 3 = 5
- Condition 2
  - Path 0 has 120 logical HDDs
  - Path 1 has 120 logical HDDs
  - Path 2 has 111 logical HDDs,
  - Path 3 has 111 logical HDDs
- Condition 3
  - 462 logical HDDs for the system.

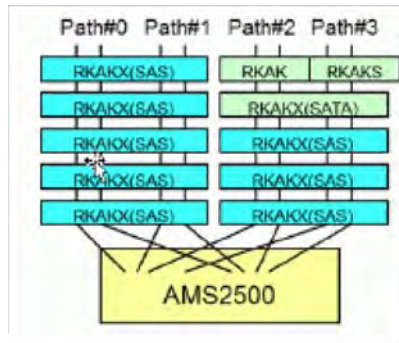


Figure 1-3: AMS 2500 Back-end

## Example: AMS 2100 with one RKAKX and two RKAKS

This example shows the configuration of an AMS 2100 with one RKAKX and two RKAKS.

- One AMS 2100 system tray (RKS) = 15 HDDs
- One RKAKX high density expansion unit = 24 HDDs
- Two RKAKS modular 2U expansion units = 48 HDDs
- Total HDDs = 87

Conditions:

- Trays per path:
  - Path 0 = 2
  - Path 1 = 2
- Path #0 = 24 + 24
- Path #1 = 15 + 24
- Total HDDs = 87

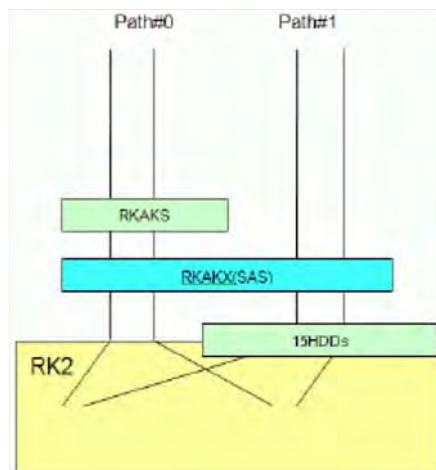


Figure 1-4: Example AMS 2100 with one RKAKX and two RKAKS

## Supported network standards

The Hitachi AMS 2000 Family Storage System user LAN port supports the following network standards.

**Table 1-11: Supported Network Standards**

Item	Standard and Functions	Note
Standard	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3 1000BASE-T	
Protocol	ARP, ICMP, ICMPv6, IPv4, IPv6, NDP, TCP, UDP	IPsec support is not scheduled.
Rooting	RIPv1, RIPv2	
RIPng	BGP and OSPF, etc., are unconfirmed.	
IP Address Resolution	DHCPv4 Router Advertisement	DHCPv6 support is not scheduled.
Standard and function not affecting the use of the array	Port VLAN IEEE 802.1Q: Tag VLAN IEEE 802.1D: STP (Spanning Tree Protocol) IEEE 802.1w: Rapid STP (RSTP) IEEE 802.1s: Multiple Instances Spanning Tree Protocol (MISTP) IEEE 802.3ad: Link Aggregation	Note <sup>1</sup>
Communication Port	2000/tcp (Non Secure), 28355/tcp (Secure) The array uses the above TCP port for Navigator 2 communication.	Note <sup>2 3</sup>

1. The array may not operate depending on the network environment. If it does not operate, consult the network administrator.
2. Cisco Skinny Client Control Protocol (SCCP) uses 2000/tcp. Therefore, when using Navigator 2 in the network environment in which SCCP is introduced, it is required to change the TCP port that Navigator 2 uses. Refer to the Hitachi Storage Navigator Modular 2 Command Line Interface (CLI) User's Guide for the change method. See [Related documents](#) in the Preface.
3. When obtaining the IPv6 address automatically, the Router Advertisement distribution server is required. If it is not set up, only the link local address (fe80::/10) is allocated as the array address, and communication is limited only in the same link not exceeding the router.

## Supported communication modes

When the communication settings between the array and the host and/or management console are not the same, they may not be able to communicate with each other. The communication mode for the array is set to “**Auto**” by default. Therefore, Hitachi Data Systems recommends that you set the host and any other storage devices on the LAN to **Auto**.

Table 1-12 shows the combination of settings for the array and host and the settings that work.

**Table 1-12: Communication Settings**

	Auto	10 Mbps Half	10 Mbps Full	100 Mbps Half	100 Mbps Full	1000 Mbps Full
<b>Auto (Default)</b>	○	X	X	X	X	X
<b>10 Mbps Half</b>	X	○	X	X	X	X
<b>10 Mbps Full</b>	X	X	○	X	X	X
<b>100 Mbps Half</b>	X	X	X	○	X	X
<b>100 Mbps Full</b>	X	X	X	X	○	X
<b>1000 Mbps Full</b>	X	X	X	X	X	○
○: Communication possible			X: Communication not possible			

## Supported host operating systems

The Hitachi AMS 2000 Family Storage System supports the following operating systems on host computers. Details for each operating system are described in *Hitachi AMS 2000 Family Fibre Channel Host Installation Guide* (MK-08DF8189). This manual is located on the product documentation CD with this users guide.

- Microsoft Windows 2008
- Microsoft Windows XP (Service Pack 2)
- Microsoft Windows 2003 and 2003 Server (Service Pack 1)
- Microsoft Windows 2000 (Service Pack 3/4)
- Sun™ Solaris™ v8, v9, and v10.
- HPUX
- Red Hat Linux
- SUSE Linux
- AIX
- Asianux
- Novell NetWare version 6.5 SP6, SP7 (for Fibre Channel only)
- Apple Macintosh OS10 (Fibre Channel only)

## Supported operating systems for Navigator 2

Table 1-13 lists the operating systems supported by Navigator 2. See Chapter 7, Configuration, in the AMS 2100/2300 and AMS 2500 users guides for more information.

### IPv4 support

Navigator 2 supports IPv4 in the following operating systems.

**Table 1-13: Supported Operating Systems (IPv4)**

Item	Description
Operating System <sup>1</sup>	<ul style="list-style-type: none"><li>• Microsoft Windows 2000 (Service Pack 3 or 4)</li><li>• Microsoft Windows XP (Service Pack 2 and 3, 32-bit only)</li><li>• Microsoft Windows 2003 Server (Service Pack 1 and 2)</li><li>• Windows Server 2003 R2 (No SP and SP2)</li><li>• Microsoft Windows 2008 Server (Service Pack 1)</li><li>• Microsoft Windows Vista (no Service Pack, Service Pack 1)</li><li>• Sun Solaris 8, 9, 10</li><li>• Red Hat Enterprise Linux 4.0 Updates 1 and 5</li></ul>
Web browser <sup>2</sup>	<ul style="list-style-type: none"><li>• Internet Explorer v6.0 or v7.0</li><li>• Mozilla Firefox v1.7 or higher</li></ul>
CPU	1 GHz Intel processor (2.4 GHz, Intel dual-processor recommended)
Memory	1 GB minimum, 2 GB recommended
Free disk space	1.5 GB minimum
Screen resolution	1024×768 or more recommended
Network	Must be connected to the array being managed via LAN

1. Navigator 2 may not run correctly if not running on a supported OS.

Note: Navigator 2 does not support 64-bit OS.

2. Navigator 2 may not run correctly if not running on a supported web browser.

## IPv6 support

Navigator 2 supports IPv6 in the following operating systems.

**Table 1-14: Navigator 2 IPv6 Support**

Vendor	Operating System	Service Pack	IPv6 Support
Microsoft	Windows 2000	SP3/SP4	Not Supported <sup>1</sup>
	Windows XP	SP2	Not Supported <sup>2</sup>
	Windows Server 2003 (x86)	SP2	Supported
	Windows Server 2003 (x86)	SP1	Supported
	Windows Server 2003 R2 (x86)	SP1	Supported
	Windows Server 2003 R2 (x64)	SP1	Supported
	Windows Vista (x86)	SP1	Supported
	Windows Server 2008 (x86)	SP1	Supported
	Windows Server 2008 (x64)	SP1	Supported

1. IPv6 protocol is not supported
2. Although the IPv6 protocol can be used by installing Microsoft TCP/IP version 6, Navigator 2 does not support it because the Web browser cannot use the IPv6 literal address (address in the colon(:)-delimited hexadecimal form).

# System reliability

## AMS 2100 reliability

AMS2100 reliability is described in the following tables. The system reliability includes the base unit, expansion units and high-density expansion units.

**Table 1-15: Reliability of AMS 2100 with SAS/SAS(SED) Drives**

Item	Base and Expansion Units
MTBDL (Mean Time Between Data Loss) (*1)	About 20 million hours or longer in the RAID 5 configuration (*2).
	RAID 6 configuration: $\frac{(\text{MTBF of the disk drive})^3}{n(n-1)(n-2) \times \text{Number of Parity group} \times \text{MTTR}^2}$
	RAID 5 configuration: $\frac{(\text{MTBF of the disk drive})^2}{n(n-1) \times \text{Number of Parity group} \times \text{MTTR}}$
	RAID 0 configuration: $\frac{\text{MTBF of the disk drive}}{n \times \text{Number of Parity group}}$
	RAID 1 or RAID 1+0 configuration: $\frac{(\text{MTBF of the disk drive})^2}{n \times 1 \times \text{Number of Parity group} \times \text{MTTR}}$
	MTTR: Mean Time To Repair n: Number of the mounted disk drive/Parity group
Drop in package (JIS Z 0200-1997)	No abnormality must be caused by a free drop of level IV.
Radio frequency radiation	Conforms to FCC Class A
Instantaneous power failure	10 ms (100% dip)

\*1: The value of the MTBDL is calculated in the following configuration: RAID 5: 68 sp ((15D+1P) × 4 group + 4 (spare)). Therefore, this value varies on user's system configuration.

\*2: Under the worst condition in the AMS 2100 maximum configuration, the MTBDL is about 14 million hours (SAS/SAS(SED) drive).

**Table 1-16: Reliability of AMS 2100 with SATA/SAS7.2K Drives**

Item	Base and Expansion Units
MTBDL (Mean Time Between Data Loss) (*1)	About 5 million hours or longer in the RAID 5 configuration (2).  RAID 6 configuration: $\frac{(\text{MTBF of the disk drive})^3}{n(n-1)(n-2) \times \text{Number of Parity group} \times \text{MTTR}^2}$  RAID 5 configuration: $\frac{(\text{MTBF of the disk drive})^2}{n(n-1) \times \text{Number of Parity group} \times \text{MTTR}}$  RAID 1 or RAID 1+0 configuration: $\frac{(\text{MTBF of the disk drive})^2}{n \times 1 \times \text{Number of Parity group} \times \text{MTTR}}$  MTTR: Mean Time To Repair n: Number of the mounted disk drive/Parity group
Drop in package (JIS Z 0200-1997)	No abnormality must be caused by a free drop of level IV.
Radio frequency radiation	Conforms to FCC Class A
Instantaneous power failure	10 ms (100% dip)

**\*1:** The value of the MTBDL is calculated in the following configuration: RAID 5: 68 sp ((15D+1P) 4 group + 4 (spare)). Therefore, this value varies on user's system configuration.

**\*2:** Under the worst condition in the AMS2100 maximum configuration, the MTBDL is about 3 million hour (SATA/SAS7.2K drive).

**Table 1-17: Reliability of AMS 2100 with Flash Drives**

Item	Base and Expansion Units
MTBDL (Mean Time Between Data Loss) (*1)	About 10 million hours or longer in the RAID 5 configuration (*2).
	RAID 6 configuration: $\frac{(\text{MTBF of the flash drive})^3}{n(n-1)(n-2) \times \text{Number of Parity group} \times \text{MTTR}^2}$
	RAID 5 configuration: $\frac{(\text{MTBF of the flash drive})^2}{n(n-1) \times \text{Number of Parity group} \times \text{MTTR}}$
	RAID 0 configuration: $\frac{\text{MTBF of the disk drive}}{n \times \text{Number of Parity group}}$
	RAID 1 or RAID 1+0 configuration: $\frac{(\text{MTBF of the flash drive})^2}{n \times 1 \times \text{Number of Parity group} \times \text{MTTR}}$
	MTTR: Mean Time To Repair n: Number of the mounted disk drive/Parity group
Drop in package (JIS Z 0200-1997)	No abnormality must be caused by a free drop of level IV.
Radio frequency radiation	Conforms to FCC Class A
Instantaneous power failure	10 ms (100% dip)

\*1: The value of the MTBDL is calculated in the following configuration: RAID 5:68 sp ((15D+1P) x 4 group + 4 (spare)). Therefore, this value varies on the user's system configuration.

\*2: Under worst conditions in the AMS2100 maximum configuration, the MTBDL is about 7 million hours (Flash drive).

## AMS 2300 reliability

AMS 2300 reliability is described in the following tables. The system reliability includes the base unit, expansion units and high-density expansion units.

**Table 1-18: Reliability of AMS 2300 with SAS/SAS(SED) Drives**

Item	Base and Expansion Units
MTBDL (Mean Time Between Data Loss) (*1)	About 20 million hours or longer in the RAID 5 configuration (*2).
	RAID 6 configuration: $\frac{(\text{MTBF of the disk drive})^3}{n(n-1)(n-2) \times \text{Number of Parity group} \times \text{MTTR}^2}$
	RAID 5 configuration: $\frac{(\text{MTBF of the disk drive})^2}{n(n-1) \times \text{Number of Parity group} \times \text{MTTR}}$
	RAID 0 configuration: $\frac{\text{MTBF of the disk drive}}{n \times \text{Number of Parity group}}$
	RAID 1 or RAID 1+0 configuration: $\frac{(\text{MTBF of the disk drive})^2}{n \times 1 \times \text{Number of Parity group} \times \text{MTTR}}$
	MTTR: Mean Time To Repair n: Number of the mounted disk drive/Parity group
Drop in package (JIS Z 0200-1997)	No abnormality must be caused by a free drop of level IV.
Radio frequency radiation	Conforms to FCC Class A
Instantaneous power failure	10 ms (100% dip)

\*1: The value of the MTBDL is calculated in the following configuration: RAID 5: 68 sp ((15D+1P) 4 group + 4 (spare)). Therefore, this value varies on user's system configuration.

\*2: Under the worst condition in the AMS 2300 maximum configuration, the MTBDL is about 7 million hour (SAS/SAS(SED)) drive).

**Table 1-19: Reliability of AMS 2300 with SATA/SAS7.2K Drives**

Item	Base and Expansion Units
MTBDL (Mean Time Between Data Loss) (*1)	About 5 million hours or longer in the RAID 5 configuration (*2).  RAID 6 configuration: $\frac{(\text{MTBF of the disk drive})^3}{n(n-1)(n-2) \times \text{Number of Parity group} \times \text{MTTR}^2}$  RAID 5 configuration: $\frac{(\text{MTBF of the disk drive})^2}{n(n-1) \times \text{Number of Parity group} \times \text{MTTR}}$  RAID 1 or RAID 1+0 configuration: $\frac{(\text{MTBF of the disk drive})^2}{n \times 1 \times \text{Number of Parity group} \times \text{MTTR}}$  MTTR: Mean Time To Repair n: Number of the mounted disk drive/Parity group
Drop in package (JIS Z 0200-1997)	No abnormality must be caused by a free drop of level IV.
Radio frequency radiation	Conforms to FCC Class A
Instantaneous power failure	10 ms (100% dip)

**\*1:** The value of the MTBDL is calculated in the following configuration: RAID 5: 68 sp ((15D+1P) 4 group + 4 (spare)). Therefore, this value varies on user's system configuration.

**\*2:** Under the worst condition in the AMS 2300 maximum configuration, the MTBDL is about 1,500 hours when using SATA/SAS7.2K drives.

**Table 1-20: Reliability of AMS 2300 with Flash Drives**

Item	Base and Expansion Units
MTBDL (Mean Time Between Data Loss) (*1)	About 10 million hours or longer in the RAID 5 configuration (*2).
	RAID 6 configuration: $\frac{(\text{MTBF of the flash drive})^3}{n(n-1)(n-2) \times \text{Number of Parity group} \times \text{MTTR}^2}$
	RAID 5 configuration: $\frac{(\text{MTBF of the flash drive})^2}{n(n-1) \times \text{Number of Parity group} \times \text{MTTR}}$
	RAID 1 or RAID 1+0 configuration: $\frac{(\text{MTBF of the flash drive})^2}{n \times 1 \times \text{Number of Parity group} \times \text{MTTR}}$
	RAID 0 configuration: $\frac{\text{MTBF of the flash drive}}{n \times \text{Number of Parity group}}$
	MTTR: Mean Time To Repair n: NuMBER of the mounted disk drive/Parity group
Drop in package (JIS Z 0200-1997)	No abnormality must be caused by a free drop of level IV.
Radio frequency radiation	Conforms to FCC Class A
Instantaneous power failure	10 ms (100% dip)

\*1: The value of the MTBDL is calculated in the following configuration: RAID 5: 68 sp ((15D+1P) x 4group+4(spare)). Therefore, this value varies depending on the user's system configuration.

\*2: Under worse conditions in the AMS2300 maximum configuration, the MTBDL is about 3,500 hours (Flash drive).

## AMS 2500 reliability

AMS 2500 reliability is described in the following tables. The system reliability includes the base unit, expansion units and high-density expansion units.

**Table 1-21: Reliability of AMS 2500 with SAS/SAS(SED) Drives**

Item	Base and Expansion Units
MTBDL (Mean Time Between Data Loss) (*1)	About 20 million hours or longer (in RAID 5 configuration) (*2)
	RAID 6 configuration: $\frac{(\text{MTBF of the disk drive})^3}{n(n-1)(n-2) \times \text{Number of Parity group} \times \text{MTTR}^2}$
	RAID 5 configuration: $\frac{(\text{MTBF of the disk drive})^2}{n(n-1) \times \text{Number of Parity group} \times \text{MTTR}}$
	RAID 0 configuration: $\frac{\text{MTBF of the disk drive}}{n \times \text{Number of Parity group}}$
	RAID 1 or RAID 1+0 configuration: $\frac{(\text{MTBF of the disk drive})^2}{n \times 1 \times \text{Number of Parity group} \times \text{MTTR}}$
	MTTR: Mean Time To Repair n: Number of the mounted disk drive/Parity group
Drop in package (JIS Z 0200-1997)	No abnormality must be caused by a free drop of level IV.
Radio frequency radiation	Conforms to FCC Class A
Instantaneous power failure	10 ms (100% dip)

\*1: The value of the MTBDL is calculated in the following configuration: RAID 5: 68 sp ((15D+1P) 4 group+4 (spare)). Therefore, this value varies on user's system configuration.

\*2: Under the worst conditions in the AMS 2500 maximum configuration, the MTBDL is about 3.5 million hour (SAS/SAS(SED) drive).

**Table 1-22: Reliability of AMS 2500 with SATA/SAS7.2K Drives**

Item	Base and Expansion Units
MTBDL (Mean Time Between Data Loss) (*1)	About 5 million hours or longer (in RAID 5 configuration) (*2)  RAID 6 configuration: $\frac{(\text{MTBF of the disk drive})^3}{n(n-1)(n-2) \times \text{Number of Parity group} \times \text{MTTR}^2}$  RAID 5 configuration: $\frac{(\text{MTBF of the disk drive})^2}{n(n-1) \times \text{Number of Parity group} \times \text{MTTR}}$  RAID 1 or RAID 1+0 configuration: $\frac{(\text{MTBF of the disk drive})^2}{n \times 1 \times \text{Number of Parity group} \times \text{MTTR}}$  MTTR: Mean Time To Repair n: Number of the mounted disk drive/Parity group
Drop in package (JIS Z 0200-1997)	No abnormality must be caused by a free drop of level IV.
Radio frequency radiation	Conforms to FCC Class A
Instantaneous power failure	10 ms (100% dip)

\*1: The value of the MTBDL is calculated in the following configuration: RAID 5: 68 sp ((15D+1P) 4 group+4 (spare)). Therefore, this value varies on user's system configuration.

\*2: Under the worst condition in the AMS 2500 maximum configuration, the MTBDL is about 0.8 million hours using SATA/SAS7.2K drives.

**Table 1-23: Reliability of AMS 2500 with Flash Drives**

Item	Base and Expansion Units
MTBDL (Mean Time Between Data Loss) (*1)	About 10 million hours or longer (in RAID 5 configuration) (*2)
	RAID 6 configuration: $\frac{(\text{MTBF of the flash drive})^3}{n(n-1)(n-2) \times \text{Number of Parity group} \times \text{MTTR}^2}$
	RAID 5 configuration: $\frac{(\text{MTBF of the flash drive})^2}{n(n-1) \times \text{Number of Parity group} \times \text{MTTR}}$
	RAID 1 or RAID 1+0 configuration: $\frac{(\text{MTBF of the flash drive})^2}{n \times 1 \times \text{Number of Parity group} \times \text{MTTR}}$
	RAID 0 configuration: $\frac{\text{MTBF of the flash drive}}{n \times \text{Number of Parity group}}$
	MTTR: Mean Time To Repair n: NuMBER of the mounted disk drive/Parity group
Drop in package (JIS Z 0200-1997)	No abnormality must be caused by a free drop of level IV.
Radio frequency radiation	Conforms to FCC Class A
Instantaneous power failure	10 ms (100% dip)

**Note1:** The value of the MTBDL is calculated in the following configuration: RAID 5: 68 sp ((15D+1P) x 4 group+4 (spare)). Therefore, this value varies on user's system configuration.

**Note2:** Under worse conditions in the AMS 2500 maximum configuration, the MTBDL is about 1,750,000 hours (Flash drive).

## Regulatory compliance

This AMS 2100,AMS 2300, and AMS 2500 storage systems, including the base and expansion units and additional battery box have been tested and certificated for the following standards.

**Table 1-24: Regulatory Compliance**

Standard	Specification	Mark on the product	Country
Radio interference voluntary control	VCCI Class A	Yes (VCCI)	Japan
Limits for harmonic current emissions	JIS C61000-3-2	None	Japan
Electronic emission control	FCC Part15 Subpart B Class A	Yes (FCC)	U.S.A
Electronic emission control	ICES-003 Class A	Yes (ICES-003)	Canada
Electronic emission control	AS/NZS 3548:1995,A1,A2	None	Australia
Electronic emissions certification	EN 50022:1998/A1:2000/A2:2003	Yes (CEmarking)	EU
	EN 61000-3-2:2000/A1:2001/A2:2005		
	EN 61000-3-3:1995/A1:2001		
	EN 55024:1998/A1:2001/A2:2003		
	EN 61000-4-2:1995/A1:1998/A2:2001		
	EN 61000-4-3:2002/A2:2002		
	EN 61000-4-4:1995/A1:2001/A2:2003		
	EN 61000-4-5:1995A1:2001		
	EN 61000-4-6:1996/A1:2001		
	EN 61000-4-8:1993/A1:2001		
EN 61000-4-11:1994/A1:2001			
Electronic emission control	CNS 13438 Class A	Yes (BSMI)	Taiwan
Electronic emission control	KN22	Yes (RRL)	Corea
	KN6100-4		
Safety certification	UL 60950-1	Yes (TUV)	EU/U.S.A
	CAN/CSA-C22.2		
Safety certification	EN 60950-1	Yes (GS)	EU
Safety certification	GOST R60950-2002	Yes (GOST)	Russia
	GOST R51318.22-99		
	GOST R51318.24-99		
	GOST R51317.3.2-99		
	GOST R51317.3.3-99		
Safety certification	IEC 60950-1	Yes(IRAM)	Argentina



## Power cables

This chapter describes the power cables used with the Hitachi AMS 2000 Family Storage System. It includes the following key topic:

- [Power cable and plug identification](#)

## Power cable and plug identification

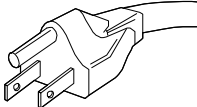
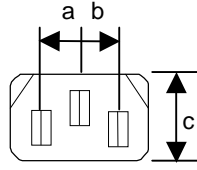
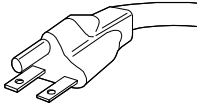
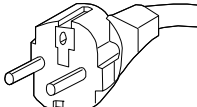
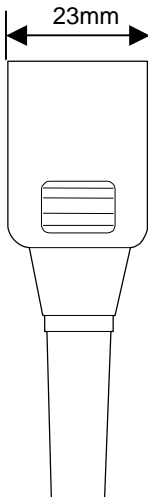
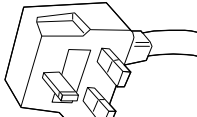
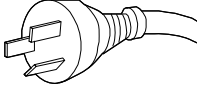
You must use power cables that meet the safety requirements of countries where the AMS 2100/2300 is used. Common AC power cables are shown in Table 2-1.



**CAUTION!** When purchasing the AC power cable, make sure that the cable has proper rating and meets the country's safety requirement. Otherwise, an electric shock or machine failure might occur.

1. ANSI: American National Standards Institute
2. NEMA: National Electrical Manufacture's Association
3. IEC: International Electrotechnical Commission
4. CEE: International Commission on Rules for the Approval of Electrical
5. Equipment
6. BS: British Standard Institution
7. AS: Standards Association of Australia

**Table 2-1: Power Cable and Plug Identification**

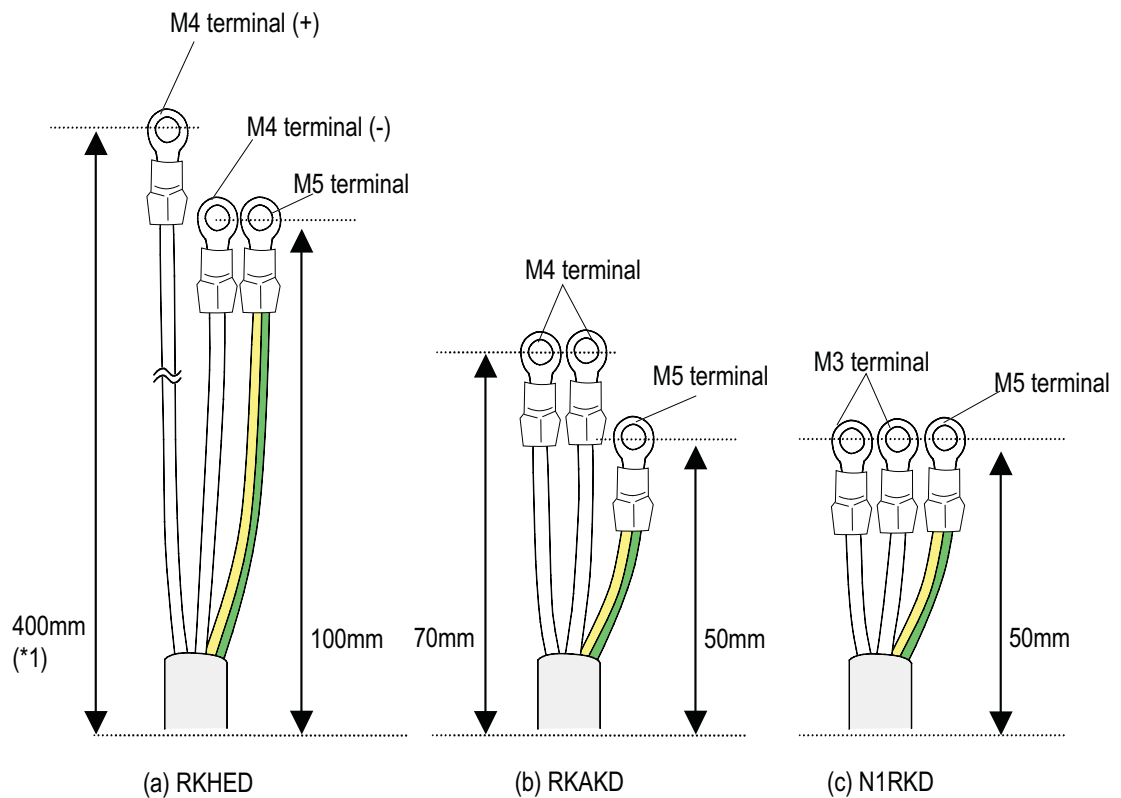
Input rating	Plug configuration	Reference Standards	Cable and Connector	
100V-120V (Standard attachment)	 North America	1 ANSI C73.11		
		2 NEMA 5-15P		
3 IEC 83				
200V-240V	 North America	1 ANSI C73.11	$a=7 \pm 0.05\text{mm}$ $b=7 \pm 0.05\text{mm}$ $c=15.8\text{mm}$	Three wire power cable with a two-pole three-terminal grounding-type connector.
		2 NEMA 6-15P		
		3 IEC 83		
	 Universal Euro	4 CEE (7) II, IV, VII		
		3 IEC 83		
 UK	5 BS 1365			
	3 IEC 83			
 Australia	6 AS C112			

## DC power supply cable

The specifications for the DC power supply cable are shown in Table 2-2. DC power cables are not supplied with the unit. Customers should build them according to the specifications shown here and as shown in Figure 2-1.

**Table 2-2: DC Power Supply Cable Specifications**

Item		RKHED AMS 2500	RKAKD Expansion Unit	N1RKD Battery Expansion Unit
3-core	Wire Description	1015/1431 (For Wire rating temperature 105°C)		
	Wire Size (AWG)	AWG12	AWG10	AWG24
	Strands	65/0.26 mm	104/0.26 mm	11/0.16 mm
Single core	Wire Description	1015/1431 (For Wire rating temperature 105°C)		
	Wire Size (AWG)	AWG16	AWG14	AWG24
	Strands	54/0.18 mm	41/0.26 mm	11/0.16 mm



**Figure 2-1: DC Power Supply Cables**

When the type name of Front Bezel is DF-F800-UBKD (NEBS specification), the length of the cable is 400 mm. The length of the cable other than the DF-F800-UBKD (NEBS specification) for the type name of Front Bezel is 100mm.



## System parameters

This chapter describes the system parameters for the Hitachi AMS 2000 Family Storage System, and covers the following key topic:

- [System parameter setting list](#)



**NOTE:** The instructions for using the information in the tables in this chapter are located in the Hitachi AMS 2100/2300 Storage System Hardware Guide, the Hitachi AMS 2500 Storage System Hardware Guide, and the Hitachi Storage Navigator Modular 2 online help.

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# System parameter setting list

Table 3-1 lists the parameter settings using Storage Navigator Modular 2 (Navigator 2). The combination of platform and middleware shown on gray backgrounds to be selected in the simple setting is not related to the support availability. For the support availability of the platform and middleware, check the support matrix.

**Table 3-1: Host Connection Parameters**

Simple Setting <sup>1 2</sup>		Host Group Option									
<b>Simple Setting: The platform / middleware to connect are selected</b>											
<b>Platforms</b>		Windows	Linux	Solaris	HPUX	AIX	VMware	NetWare	Not Specified	----	
<b>Middleware</b>		Not specified							VCS	Tru Cluster	
<b>Detail Setting:</b> The following parameters will be selected automatically according to Simple Setting. Even when you have selected "Not Specified" in the Simple Setting, mode, if you select the same parameter as the specified platform in Detail Setting, it operates in the same way as specified.											
Mode Setting: The following parameters will be selected automatically according to simple setting.											
Basic Setting (Select one of these modes)	Standard Mode	✓	✓	✓	✓	✓	✓	✓	✓		
	Open VMS Mode										
	Wolfpack Mode										
	TRESPASS Mode										
Detail Setting (Multiple selections)	HP-UX Mode				✓						
	PSUE Read Reject Mode				✓						
	Mode Parameters Changed Report Mode										
	NACA Mode					✓					
	Task Management Separation Mode										
	Unique Reserve Mode 1									✓	
	Port ID Conversion Mode										
	TruCluster Mode										✓
	Product Serial Response Mode										
	Same Node Name Mode										
	CCHS Conversion Mode										
	INQUIRY Serial Number Conversion Mode										
	NOP-In Suppress Mode								✓		
S-VOL Disable Advanced Mode											
Discovery CHAP Mode							✓				

1. Key

✓: Parameter that is selected automatically by Simple Setting..

**blank:** Parameter that is selected manually if needed.

**Not specified:** All other supported are specified.

## 2. Notes:

- Using Navigator 2, specify the Platform (operating system) and the Middleware (cluster software). The remaining parameters are automatically set by the system based on the combination of the platform and the cluster option you specify.
- The combination of platform and middleware settings shown on the gray background in this table, and that are to be selected in Simple Setting mode does not mean that these selections are supported. Check with Hitachi Data Systems Customer Support or with the Hitachi Data Systems reseller from which you purchased your Hitachi AMS 2000 Family Storage System.
- Before using iSCSI to connect the array with emBoot winBoot/i or with Novell Open Enterprise Server, enable the option "NOP-In Suppress Mode" in the Detail Setting.
- When using CHAP (discovery session) with VMware and using an iSCSI connection, please enable the option "Discovery CHAP Mode" in the Detail Setting dialog box in Navigator 2. With a FC connection, "Discovery CHAP Mode" is not supported even if the "Discovery CHAP Mode" option is enabled.
- When connecting it with Tru64, please select "Not specified" in Platform of Simple Setting. It is not necessary to select "HP-UX" in Platform of Simple Setting for Tru64.



## Interfaces

This chapter describes the Fibre Channel (Non-OFibre Channel) interface that is used to connect the Hitachi AMS 2000 Family Storage System to the host computer. It also describes the Ethernet interface that is used to connect the Hitachi AMS 2000 Family Storage System to the management console. The Hitachi AMS 2000 Family Storage System provides a non-OFibre Channel Fibre Channel interface and an iSCSI interface with the host as part of the standard configuration.

This chapter covers the following key topics:

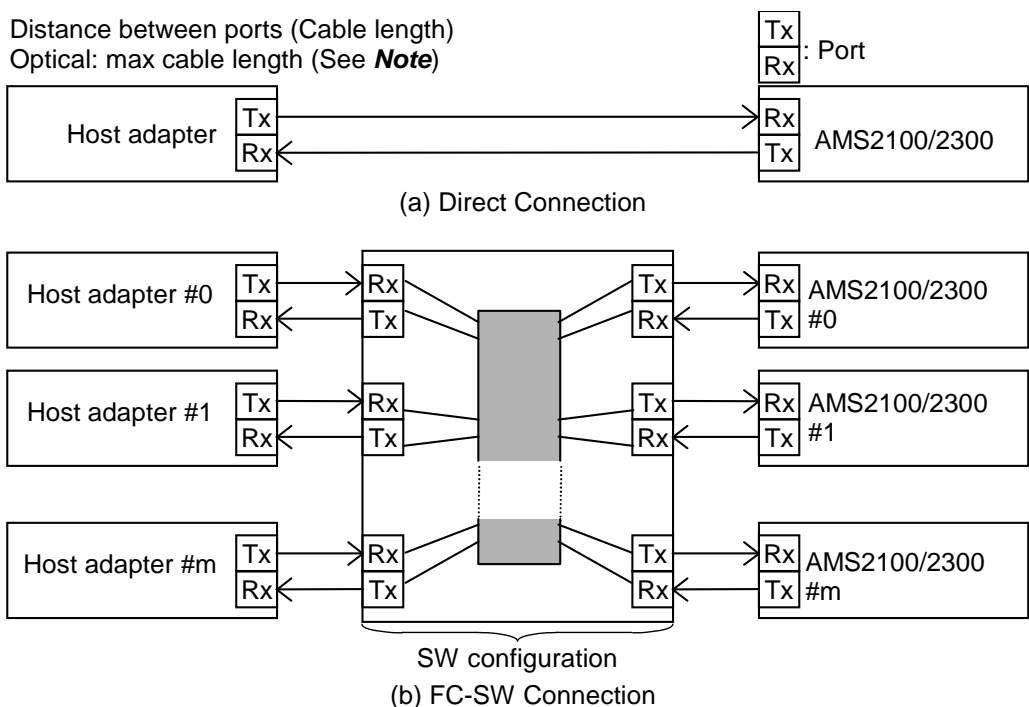
- ❑ [Fibre channel connection specifications](#)
- ❑ [iSCSI connection specifications](#)

# Fibre channel connection specifications

## System configuration

When constructing a system with a direct connection or Fibre Channel-switch connection, consider the following:

- If you connect an AMS 2100/2300 directly to a host, set “Loop” value to the Fibre Channel topology setting on the AMS 2100/2300.
- If you connect an AMS 2100/2300 with a Fibre Channel-SW, set the “Point to Point” value to Fibre Channel topology setting on the AMS 2100/2300.
- Since high-speed serial data transfer is performed via Fibre Channel, high-quality Fibre Channel cables that conform to the Fibre Channel-PH standard.



**Figure 4-1: Fibre Channel Connection Specifications**

**Table 4-1: Fibre Channel Transfer Rates**

Cable Type	Data Transfer Rate (MB/sec)	Maximum Cable Length (feet / meters)
Max 50/125 $\mu\text{m}$ multimode (OM2)	100	1640 / 500
	200	984 / 300
	400	492 / 150
	800	164 / 50
Max 62.5/125 $\mu\text{m}$ multimode (OM1)	100	984 / 300
	200	492 / 150
	400	230 / 70
	800	68 / 21

**Table 4-1: Fibre Channel Transfer Rates**

Cable Type	Data Transfer Rate (MB/sec)	Maximum Cable Length (feet / meters)
Max 50/125 $\mu\text{m}$ multimode (OM3)	100	2821 / 860
	200	1640 / 500
	400	1246 / 380
	800	492 / 150

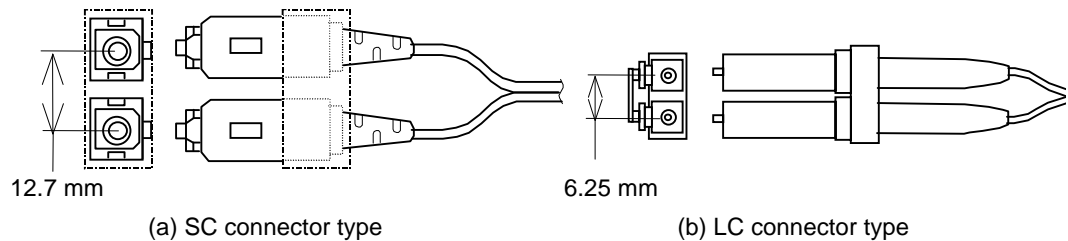
## Fibre channel cable specifications

Table 4-2 shows specifications of the Fibre Channel interface cable.

Figure 4-2 shows the connector type for the optical interface on the cable side.

**Table 4-2: Cable Specifications**

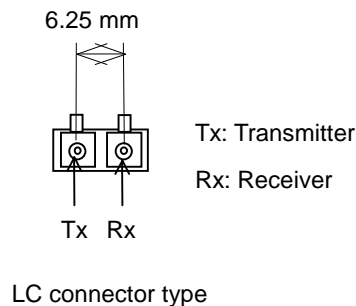
Cable type	Interface type	Cable mode Name	Nominal		
			Cable	Connector	
				One Side	Other Side
SC-LC cable	Optical	Equivalent to sumitomo 3M 170AC-AAAA-XXX	50/125 $\mu\text{m}$ , 62.5/125 $\mu\text{m}$ Multimode Wavelength: 860 nm	SC connector (JIS C 5973)	LC connector
LC-LC cable				LC connector	LC connector



**Figure 4-2: Cable Side Connector**

## Base unit connector

Figure 4-3 shows the type of connector for the optical interface on the array.



**Figure 4-3: LC Connector Type**

# iSCSI connection specifications

## System configuration

The following standards apply to the management, maintenance, and iSCSI data ports. To configure this system, use switches that comply with the following standards:

- IEEE 802.1D STP
- IEEE 802.1w RSTP
- IEEE 802.3 CSMA/CD
- IEEE 802.3u Fast Ethernet
- IEEE 802.3z 1000BaseX
- IEEE 802.1Q Virtual LANs
- IEEE 802.3ad Dynamic LACP
- IEEE 802.3ae 10 Gigabit Ethernet (10G iSCSI connection)
- 
- RFibre Channel 768 UDP
- RFibre Channel 783 TFTP
- RFibre Channel 791 IP
- RFibre Channel 793 TCP
- RFibre Channel 1157 SNMP v1
- RFibre Channel 1213 MIB II
- RFibre Channel 1757 RMON
- RFibre Channel 1901 SNMP v2

## iSCSI cable specifications for LAN interface

Table 4-3 lists and describes the cable specification for LAN interface and the connector type.

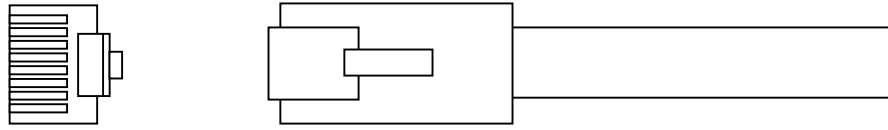
**Table 4-3: Cable Specifications for LAN Interface and Connectors**

Cable Type	Corresponding Transmission Band	Specifications	
		Cable <sup>1</sup>	Connector
Category 6	1000BASE-TX	UTP or STP	RJ-45

1.Hitachi Data Systems recommends that you use an STP cable that suppresses radio noise. However, when using the equipment with the NEBS specifications in the AMS2500, be sure to use the STP cable.

## LAN cable

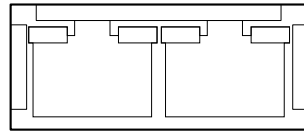
Figure 4-4 shows the male-connector of the LAN interface cable.



**Figure 4-4: Cable Connector**

## LAN connector

Figure 4-5 shows the connection sockets for the LAN interface on the base unit.



**Figure 4-5: Base Unit Connector**

## iSCSI cable specifications for the iSCSI interface

The following table lists and describes the cable specification for iSCSI interface and the connector type.

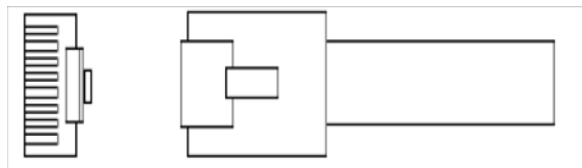
**Table 4-4: Cable Specification for 1 Gbps iSCSI Interface and Connector Type**

Cable Type	Corresponding Transmission Band	Specification	
		Cable	Connector
Category 6	1000BASE-TX	UTP or STP (1 <sup>1</sup> )	RJ-45

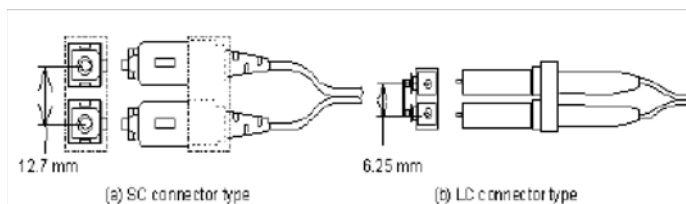
1.Hitachi recommends you use the STP cable that suppresses the radio noise. However, when using the equipment with the NEBS specifications in the AMS 2500, be sure to use the STP cable.

**Table 4-5: Cable Specification for 10 Gbps (iSCSI Interface and Connector Type)**

Item	Interface Type	Cable Mode name	Nominal		
			Cable	Connector	
				One Side	Other Side
SC-LC cable	Optical	Equivalent to sumitomo 3M 170AC-AAAA-XXX	50/125 $\mu$ m Multimode Wavelength 300 nm	SC connector (JIS C 5973)	LC connector
LC-LC cable				LC connector	LC connector



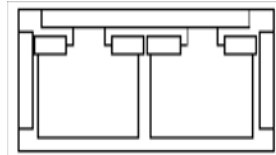
**Figure 4-6: Connector Type on the Cable side for 1Gbps iSCSI Interface**



**Figure 4-7: Cable Side Connector for 10Gbps iSCSI Interface**

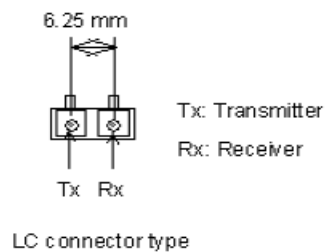
## Connector Type on the Subsystem Side

The following figure shows the connector type for the iSCSI interface on the subsystem side.



**Figure 4-8: Connector Type on the Subsystem Side for 1Gbps iSCSI Interface**

The following figure shows the shape of the 10Gbps iSCSI interface connector.



**Figure 4-9: Shape of Connector for 10 Gbps iSCSI Interface**

Note the following aspects of the LC connector type:

- Connector type: LC duplex receptacle connector
- Interval: 6.25 mm flat type, two rows



## Remote adapter specifications

This chapter describes the remote adapter used with the Hitachi AMS 2000 Family Storage System, and includes the following key topics:

- ❑ [Remote adapter specifications](#)
- ❑ [Remote adapter dimensions](#)

## Remote adapter specifications

Table 5-1 provides the specification for the remote adapter used with the AMS 2100/2300.

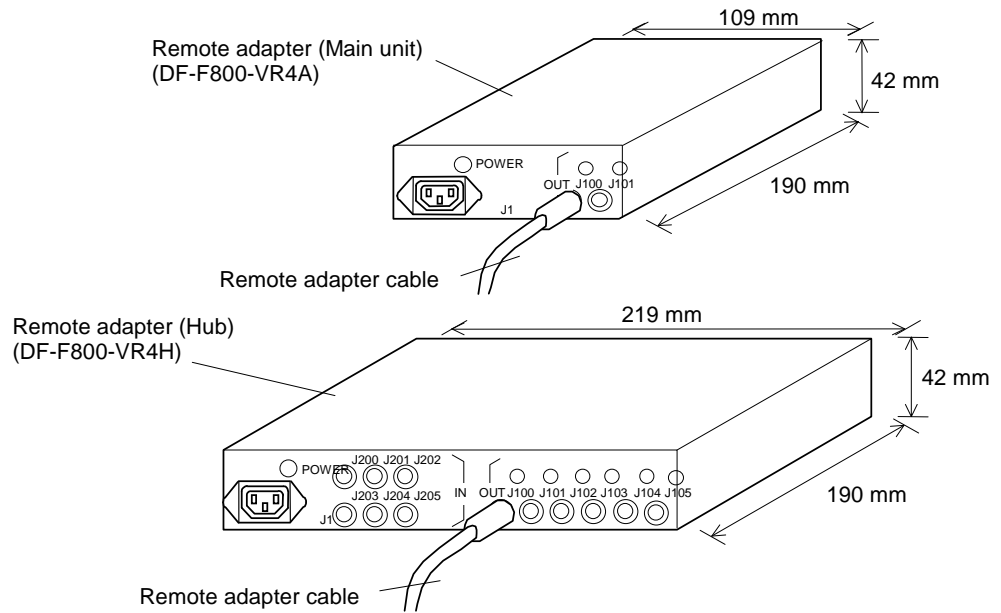
**Table 5-1: AMS 2100/2300 Remote Adapter Specifications**

Item		Remote Adapter (Main Unit) (DF-F800-VR4A)	Remote Adapter (Hub) (DF-F800-VR4H)
Physical Specifications	Chassis size (W×D×H) (mm)	109×190×42	219×190×42
	Weight (kg)	1	2
Input power	Volts AC	100-120/200-240	
	Frequency (Hz)	50/60 ±1	
	Number of phases, cabling	Single phase plus ground (3 wire)	
Steady-state current (A)		0.15	
Environmental specifications	Temperature (°C)	Operating: 10 to 40 Non-operating: -10 to 50 <sup>1</sup> In transport/storage: -30 to 60 <sup>2</sup>	
	Humidity (%)	Operating: 8 to 80 Non-operating 8 to 90 In transport/storage: 5 to 100	
	Vibration (m/s <sup>2</sup> )	Operating: 2.5 or less (5 to 300Hz) Non-operating: 5.0 or less (5 to 300Hz) In transport/storage: 5.0 or less	
Insulation performance	Insulation withstand voltage	AC1,500 V (10 mA, 1 min)	
	Insulation resistance	DC500 V, 10 M Ω or more	

1. Unprotected, mounted in a rack.
2. Protected by packaging

## Remote adapter dimensions

Figure 5-1 shows the dimensions of the remote adapter.



**Figure 5-1: Remote Adapter Dimensions**



## Port mapping

This chapter provides the port address mapping for the Hitachi AMS 2000 Family Storage System, and covers the following key topic:

- [Fibre channel addresses](#)



**NOTE:** The instructions for using the information in the tables in this chapter are located in the *Hitachi AMS 2100/2300 Storage System Hardware Guide*, the *Hitachi AMS 2500 Storage System Hardware Guide*, and the *Hitachi Storage Navigator Modular 2 online help*.

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## Port address mapping table

For the port address (AL\_PA) of each Fibre Channel port of AMS2100/AMS2300/AMS2500, "EF" is set. It is not necessary to change the AL\_PA because it can connect to HBA with the current setting.

To change the AL\_PA, select the value described in the following table.

When setting a value not described in the following table or the value already used by HBA, problems that the host cannot recognize the VOL or others occur. Therefore, restore the value to the default value "EF".

A value of AL\_PA can be set for Fibre Channel ports on the AMS 2100, AMS 2300, and AMS 2500.

**Table 6-1: Port mapping table**

ALPA							
EF (*)	CD	B2	98	72	55	3A	25
E8	CC	B1	97	71	54	39	23
E4	CB	AE	90	6E	53	36	1F
E2	CA	AD	8F	6D	52	35	1E
E1	C9	AC	88	6C	51	34	1D
E0	C7	AB	84	6B	4E	33	1B
DC	C6	AA	82	6A	4D	32	18
DA	C5	A9	81	69	4C	31	17
D9	C3	A7	80	67	4B	2E	10
D6	BC	A6	7C	66	4A	2D	0F
D5	BA	A5	7A	65	49	2C	08
D4	B9	A3	79	63	47	2B	04
D3	B6	9F	76	5C	46	2A	02
D2	B5	9E	75	5A	45	29	01
D1	B4	9D	74	59	43	27	
CE	B3	9B	73	56	3C	26	

\* = a value set as the default value.

## Number of logical blocks

This chapter lists the number of logic blocks used in the Hitachi AMS 2000 Family Storage System, and covers the following key topic:

- [Setting the value of the number of logical blocks](#)



**NOTE:** The instructions for using the information in the tables in this chapter are located in the *Hitachi AMS 2100/2300 Storage System Hardware Guide*, the *Hitachi AMS 2500 Storage System Hardware Guide*, and the *Hitachi Storage Navigator Modular 2 online help*.

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## Setting the value of the number of logical blocks

This section lists the number of logical blocks that you set for each of the RAID levels.



**NOTE:** The values of storage capacity are calculated as 1 GB = 1,000,000,000 bytes. This definition is different from that calculated as 1 kB = 1,024 bytes, which are typically displayed on PCs you use. The RAID group capacity values displayed in the Hitachi Storage Navigator Modular 2 are calculated as 1 k byte = 1,024 bytes.

See [Convention for storage capacity values](#) in the Preface of this manual for more information.

A logical unit can divide a RAID group into as many as 2048 logical blocks. Set the number of logical blocks for each logical unit using the following multiples in accordance with RAID levels.

### Number of logical blocks by RAID level

Table 7-1 lists the number of logical blocks used with the RAID levels used in the AMS 2100/2300.

**Table 7-1: Number of Logical Blocks by RAID Level**

RAID Level		Logical Block Number
RAID 0	2D	4096
	3D	6144
	4D	8192
	5D	10240
	6D	12288
	7D	14336
	8D	16384
	9D	18432
	10D	20480
	11D	22528
	12D	24576
	13D	26624
	14D	28672
	15D	30720
16D	32768	
RAID 1	1D+1D	2048

**Table 7-1: Number of Logical Blocks by RAID Level (Continued)**

RAID Level		Logical Block Number
RAID 5	2D+1P	4096
	3D+1P	6144
	4D+1P	8192
	5D+1P	10240
	6D+1P	12288
	7D+1P	14336
	8D+1P	16384
	9D+1P	18432
	10D+1P	20480
	11D+1P	22528
	12D+1P	24576
	13D+1P	26624
	14D+1P	28672
	15D+1P	30720
RAID 6	2D+2P	4096
	3D+2P	6144
	4D+2P	8192
	5D+2P	10240
	6D+2P	12288
	7D+2P	14336
	8D+2P	16384
	9D+2P	18432
	10D+2P	20480
	11D+2P	22528
	12D+2P	24576
	13D+2P	26624
	14D+2P	28672
	15D+2P	30720
	16D+2P	32768
	17D+2P	34816
	18D+2P	36864
	19D+2P	38912
	20D+2P	40960
	21D+2P	43008
22D+2P	45056	
23D+2P	47104	
24D+2P	49152	
25D+2P	51200	
26D+2P	53248	
27D+2P	55296	
28D+2P	57344	

Number of logical blocks

**Table 7-1: Number of Logical Blocks by RAID Level (Continued)**

RAID Level		Logical Block Number
RAID 1+0	2D+2D	4096
	3D+3D	6144
	4D+4D	8192
	5D+5D	10240
	6D+6D	12288
	7D+7D	14336
	8D+8D	16384

When dividing RAID groups into multiple logical units, set the sum total of the number of logical blocks of each logical unit below the number of logical blocks per parity shown below. However, when creating multiple parity groups in each RAID group, set them below the number of logical blocks of one parity group multiplied by the number of parity groups.

[Table 7-2](#) lists the number of logical blocks in one parity group (SAS disk drive).

**Table 7-2: Number of Logical Blocks in One Parity Group (SAS Disk Drive)**

RAID Level		Disk Drive Capacity (GB)				
		142.61 GB	287.62 GB	392.73 GB	439.44 GB	575.30 GB
RAID 0	2D	557,101,056	1,123,549,184	1,534,132,224	1,716,584,448	2,247,274,496
	3D	835,651,584	1,685,323,776	2,301,198,336	2,574,876,672	3,370,911,744
	4D	1,114,202,112	2,247,098,368	3,068,264,448	3,433,168,896	4,494,548,992
	5D	1,392,752,640	2,808,872,960	3,835,330,560	4,291,461,120	5,618,186,240
	6D	1,671,303,168	3,370,647,552	4,602,396,672	5,149,753,344	6,741,823,488
	7D	1,949,853,696	3,932,422,144	5,369,462,784	6,008,045,568	7,865,460,736
	8D	2,228,404,224	4,494,196,736	6,136,528,896	6,866,337,792	8,989,097,984
	9D	2,506,954,752	5,055,971,328	6,903,595,008	7,724,630,016	10,112,735,232
	10D	2,785,505,280	5,617,745,920	7,670,661,120	8,582,922,240	11,236,372,480
	11D	3,064,055,808	6,179,520,512	8,437,727,232	9,441,214,464	12,360,009,728
	12D	3,342,606,336	6,741,295,104	9,204,793,344	10,299,506,688	13,483,646,976
	13D	3,621,156,864	7,303,069,696	9,971,859,456	11,157,798,912	14,607,284,224
	14D	3,899,707,392	7,864,844,288	10,738,925,568	12,016,091,136	15,730,921,472
	15D	4,178,257,920	8,426,618,880	11,505,991,680	12,874,383,360	16,854,558,720
16D	4,456,808,448	8,988,393,472	12,273,057,792	13,732,675,584	17,978,195,968	
RAID 1	1D+1D	278,550,528	561,774,592	767,066,112	858,292,224	1,123,637,248

**Table 7-2: Number of Logical Blocks in One Parity Group  
(SAS Disk Drive) (Continued)**

RAID Level		Disk Drive Capacity (GB)				
		142.61 GB	287.62 GB	392.73 GB	439.44 GB	575.30 GB
RAID 5	2D+1P	557,101,056	1,123,549,184	1,534,132,224	1,716,584,448	2,247,274,496
	3D+1P	835,651,584	1,685,323,776	2,301,198,336	2,574,876,672	3,370,911,744
	4D+1P	1,114,202,112	2,247,098,368	3,068,264,448	3,433,168,896	4,494,548,992
	5D+1P	1,392,752,640	2,808,872,960	3,835,330,560	4,291,461,120	5,618,186,240
	6D+1P	1,671,303,168	3,370,647,552	4,602,396,672	5,149,753,344	6,741,823,488
	7D+1P	1,949,853,696	3,932,422,144	5,369,462,784	6,008,045,568	7,865,460,736
	8D+1P	2,228,404,224	4,494,196,736	6,136,528,896	6,866,337,792	8,989,097,984
	9D+1P	2,506,954,752	5,055,971,328	6,903,595,008	7,724,630,016	10,112,735,232
	10D+1P	2,785,505,280	5,617,745,920	7,670,661,120	8,582,922,240	11,236,372,480
	11D+1P	3,064,055,808	6,179,520,512	8,437,727,232	9,441,214,464	12,360,009,728
	12D+1P	3,342,606,336	6,741,295,104	9,204,793,344	10,299,506,688	13,483,646,976
	13D+1P	3,621,156,864	7,303,069,696	9,971,859,456	11,157,798,912	14,607,284,224
	14D+1P	3,899,707,392	7,864,844,288	10,738,925,568	12,016,091,136	15,730,921,472
	15D+1P	4,178,257,920	8,426,618,880	11,505,991,680	12,874,383,360	16,854,558,720
	RAID 6	2D+2P	557,101,056	1,123,549,184	1,534,132,224	1,716,584,448
3D+2P		835,651,584	1,685,323,776	2,301,198,336	2,574,876,672	3,370,911,744
4D+2P		1,114,202,112	2,247,098,368	3,068,264,448	3,433,168,896	4,494,548,992
5D+2P		1,392,752,640	2,808,872,960	3,835,330,560	4,291,461,120	5,618,186,240
6D+2P		1,671,303,168	3,370,647,552	4,602,396,672	5,149,753,344	6,741,823,488
7D+2P		1,949,853,696	3,932,422,144	5,369,462,784	6,008,045,568	7,865,460,736
8D+2P		2,228,404,224	4,494,196,736	6,136,528,896	6,136,528,896	8,989,097,984
9D+2P		2,506,954,752	5,055,971,328	6,903,595,008	7,724,630,016	10,112,735,232
10D+2P		2,785,505,280	5,617,745,920	7,670,661,120	8,582,922,240	11,236,372,480
11D+2P		3,064,055,808	6,179,520,512	8,437,727,232	9,441,214,464	12,360,009,728
12D+2P		3,342,606,336	6,741,295,104	9,204,793,344	10,299,506,688	13,483,646,976
13D+2P		3,621,156,864	7,303,069,696	9,971,859,456	11,157,798,912	14,607,284,224
14D+2P		3,899,707,392	7,864,844,288	10,738,925,568	12,016,091,136	15,730,921,472
15D+2P		4,178,257,920	8,426,618,880	11,505,991,680	12,874,383,360	16,854,558,720
16D+2P		4,456,808,448	8,988,393,472	12,273,057,792	13,732,675,584	17,978,195,968
17D+2P		4,735,358,976	9,550,168,064	13,040,123,904	14,590,967,808	19,101,833,216
18D+2P		5,013,909,504	10,111,942,656	13,807,190,016	15,449,260,032	20,225,470,464
19D+2P		5,292,460,032	10,673,717,248	14,574,256,128	16,307,552,256	21,349,107,712
20D+2P		5,571,010,560	11,235,491,840	15,341,322,240	17,165,844,480	22,472,744,960
21D+2P		5,849,561,088	11,797,266,432	16,108,388,352	18,024,136,704	23,596,382,208
22D+2P		6,128,111,616	12,359,041,024	16,875,454,464	18,882,428,928	24,720,019,456
23D+2P		6,406,662,144	12,920,815,616	17,642,520,576	19,740,721,152	25,843,656,704
24D+2P		6,685,212,672	13,482,590,208	18,409,586,688	20,599,013,376	26,967,293,952
25D+2P		6,963,763,200	14,044,364,800	19,176,652,800	21,457,305,600	28,090,931,200
26D+2P		7,242,313,728	14,606,139,392	19,943,718,912	22,315,597,824	29,214,568,448
27D+2P		7,520,864,256	15,167,913,984	20,710,785,024	23,173,890,048	30,338,205,696
28D+2P		7,799,414,784	15,729,688,576	21,477,851,136	24,032,182,272	31,461,842,944

**Table 7-2: Number of Logical Blocks in One Parity Group  
(SAS Disk Drive) (Continued)**

RAID Level		Disk Drive Capacity (GB)				
		142.61 GB	287.62 GB	392.73 GB	439.44 GB	575.30 GB
RAID 1+0	2D+2P	557,101,056	1,123,549,184	1,534,132,224	1,716,584,448	2,247,274,496
	3D+3P	835,651,584	1,685,323,776	2,301,198,336	2,574,876,672	3,370,911,744
	4D+4P	1,114,202,112	2,247,098,368	3,068,264,448	3,433,168,896	4,494,548,992
	5D+5P	1,392,752,640	2,808,872,960	3,835,330,560	4,291,461,120	5,618,186,240
	6D+6P	1,671,303,168	3,370,647,552	4,602,396,672	5,149,753,344	6,741,823,488
	7D+7P	1,949,853,696	3,932,422,144	5,369,462,784	6,008,045,568	7,865,460,736
	8D+8P	2,228,404,224	4,494,196,736	6,136,528,896	6,866,337,792	8,989,097,984
	24D+2P	6,685,212,672	13,482,590,208	18,409,586,688	20,599,013,376	2,247,274,496
	25D+2P	6,963,763,200	14,044,364,800	19,176,652,800	21,457,305,600	3,370,911,744
	26D+2P	7,242,313,728	14,606,139,392	19,943,718,912	22,315,597,824	4,494,548,992
	27D+2P	7,520,864,256	15,167,913,984	20,710,785,024	23,173,890,048	5,618,186,240
	28D+2P	7,799,414,784	15,729,688,576	21,477,851,136	24,032,182,272	6,741,823,488

Table 7-3 lists the number of logical blocks of one parity group (SAS(SED) disk drive).

**Table 7-3: Number of Logical Blocks of One Parity Group  
(SAS(SED) Disk Drive)**

RAID Level		Disk Drive Capacity (GB)
		575.30 GB
RAID 0	2D	2,247,274,496
	3D	3,370,911,744
	4D	4,494,548,992
	5D	5,618,186,240
	6D	6,741,823,488
	7D	7,865,460,736
	8D	8,989,097,984
	9D	10,112,735,232
	10D	11,236,372,480
	11D	12,360,009,728
	12D	13,483,646,976
	13D	14,607,284,224
	14D	15,730,921,472
	15D	16,854,558,720
	16D	17,978,195,968
	RAID 1	1D+1D

**Table 7-3: Number of Logical Blocks of One Parity Group (SAS(SED) Disk Drive)**

RAID Level		Disk Drive Capacity (GB)
		575.30 GB
RAID 5	2D+1P	2,247,274,496
	3D+1P	3,370,911,744
	4D+1P	4,494,548,992
	5D+1P	5,618,186,240
	6D+1P	6,741,823,488
	7D+1P	7,865,460,736
	8D+1P	8,989,097,984
	9D+1P	10,112,735,232
	10D+1P	11,236,372,480
	11D+1P	12,360,009,728
	12D+1P	13,483,646,976
	13D+1P	14,607,284,224
	14D+1P	15,730,921,472
	15D+1P	16,854,558,720
RAID 6	2D+2P	2,247,274,496
	3D+2P	3,370,911,744
	4D+2P	4,494,548,992
	5D+2P	5,618,186,240
	6D+2P	6,741,823,488
	7D+2P	7,865,460,736

**Table 7-3: Number of Logical Blocks of One Parity Group (SAS(SED) Disk Drive)**

RAID Level		Disk Drive Capacity (GB)
		575.30 GB
	8D+2P	8,989,097,984
	9D+2P	10,112,735,232
	10D+2P	11,236,372,480
	11D+2P	12,360,009,728
	12D+2P	13,483,646,976
	13D+2P	14,607,284,224
	14D+2P	15,730,921,472
	15D+2P	16,854,558,720
	16D+2P	17,978,195,968
	17D+2P	19,101,833,216
	18D+2P	20,225,470,464
	19D+2P	21,349,107,712
	20D+2P	22,472,744,960
	21D+2P	23,596,382,208
	22D+2P	24,720,019,456
	23D+2P	25,843,656,704
	24D+2P	26,967,293,952
	25D+2P	28,090,931,200
	26D+2P	29,214,568,448
	27D+2P	30,338,205,696
28D+2P	31,461,842,944	
RAID1+0	2D+2P	2,247,274,496
	3D+3P	3,370,911,744
	4D+4P	4,494,548,992
	5D+5P	5,618,186,240
	6D+6P	6,741,823,488
	7D+7P	7,865,460,736
	8D+8P	8,989,097,984

Table 7-4 lists the number of logical blocks in one parity group (SATA disk drive).

**Table 7-4: Number of Logical Blocks in One Parity Group (SATA Disk Drive)**

Disk drive capacity		491.25 GB	983.69 GB	1968.52 GB	2953.31 GB
RAID configuration					
RAID0	2D				
	3D				
	4D				
	5D				
	6D				
	7D				
	8D				
	9D				
	10D				
	11D				
	12D				
	13D				
	14D				
	15D				
	16D				
	RAID1	1D+1D	959,479,808	1,921,286,144	3,844,767,744
RAID5	2D+1P	1,918,959,616	3,842,572,288	7,689,535,488	11,468,603,392
	3D+1P	2,878,439,424	5,763,858,432	11,534,303,232	17,202,905,088
	4D+1P	3,837,919,232	7,685,144,576	15,379,070,976	22,937,206,784
	5D+1P	4,797,399,040	9,606,430,720	19,223,838,720	28,671,508,480
	6D+1P	5,756,878,848	11,527,716,864	23,068,606,464	34,405,810,176
	7D+1P	6,716,358,656	13,449,003,008	26,913,374,208	40,140,111,872
	8D+1P	7,675,838,464	15,370,289,152	30,758,141,952	45,874,413,568
	9D+1P	8,635,318,272	17,291,575,296	34,602,909,696	51,608,715,264
	10D+1P	9,594,798,080	19,212,861,440	38,447,677,440	57,343,016,960
	11D+1P	10,554,277,888	21,134,147,584	42,292,445,184	63,077,318,656
	12D+1P	11,513,757,696	23,055,433,728	46,137,212,928	68,811,620,352
	13D+1P	12,473,237,504	24,976,719,872	49,981,980,672	74,545,922,048
	14D+1P	13,432,717,312	26,898,006,016	53,826,748,416	80,280,223,744
	15D+1P	14,392,197,120	28,819,292,160	57,671,516,160	86,014,525,440

**Table 7-4: Number of Logical Blocks in One Parity Group (SATA Disk Drive)**

Disk drive capacity		491.25 GB	983.69 GB	1968.52 GB	2953.31 GB
RAID6	2D+2P	1,918,959,616	3,842,572,288	7,689,535,488	11,468,603,392
	3D+2P	2,878,439,424	5,763,858,432	11,534,303,232	17,202,905,088
	4D+2P	3,837,919,232	7,685,144,576	15,379,070,976	22,937,206,784
	5D+2P	4,797,399,040	9,606,430,720	19,223,838,720	28,671,508,480
	6D+2P	5,756,878,848	11,527,716,864	23,068,606,464	34,405,810,176
	7D+2P	6,716,358,656	13,449,003,008	26,913,374,208	40,140,111,872
	8D+2P	7,675,838,464	15,370,289,152	30,758,141,952	45,874,413,568
	9D+2P	8,635,318,272	17,291,575,296	34,602,909,696	51,608,715,264
	10D+2P	9,594,798,080	19,212,861,440	38,447,677,440	57,343,016,960
	11D+2P	10,554,277,888	21,134,147,584	42,292,445,184	63,077,318,656
	12D+2P	11,513,757,696	23,055,433,728	46,137,212,928	68,811,620,352
	13D+2P	12,473,237,504	24,976,719,872	49,981,980,672	74,545,922,048
	14D+2P	13,432,717,312	26,898,006,016	53,826,748,416	80,280,223,744
	15D+2P	14,392,197,120	28,819,292,160	57,671,516,160	86,014,525,440
	16D+2P	15,351,676,928	30,740,578,304	61,516,283,904	91,748,827,136
	17D+2P	16,311,156,736	32,661,864,448	65,361,051,648	97,483,128,832
	18D+2P	17,270,636,544	34,583,150,592	69,205,819,392	103,217,430,528
	19D+2P	18,230,116,352	36,504,436,736	73,050,587,136	108,951,732,224
	20D+2P	19,189,596,160	38,425,722,880	76,895,354,880	114,686,033,920
	21D+2P	20,149,075,968	40,347,009,024	80,740,122,624	120,420,335,616
	22D+2P	21,108,555,776	42,268,295,168	84,584,890,368	126,154,637,312
	23D+2P	22,068,035,584	44,189,581,312	88,429,658,112	131,888,939,008
	24D+2P	23,027,515,392	46,110,867,456	92,274,425,856	137,623,240,704
	25D+2P	23,986,995,200	48,032,153,600	96,119,193,600	143,357,542,400
	26D+2P	24,946,475,008	49,953,439,744	99,963,961,344	149,091,844,096
	27D+2P	25,905,954,816	51,874,725,888	103,808,729,088	154,826,145,792
	28D+2P	26,865,434,624	53,796,012,032	107,653,496,832	160,560,447,488
	RAID1+0	2D+2P	1,918,959,616	3,842,572,288	7,689,535,488
3D+3P		2,878,439,424	5,763,858,432	11,534,303,232	17,202,905,088
4D+4P		3,837,919,232	7,685,144,576	15,379,070,976	22,937,206,784
5D+5P		4,797,399,040	9,606,430,720	19,223,838,720	28,671,508,480
6D+6P		5,756,878,848	11,527,716,864	23,068,606,464	34,405,810,176
7D+7P		6,716,358,656	13,449,003,008	26,913,374,208	40,140,111,872
8D+8P		7,675,838,464	15,370,289,152	30,758,141,952	45,874,413,568

Table 7-6 lists the number of logical blocks in one parity group (SSD or Flash drive).

**Table 7-5: Number of Logical Blocks in One Parity Group (SSD or Flash Drive)**

RAID Level		Disk Drive Capacity (GB)
		195.82 GB
RAID 0	2D	764,932,096
	3D	1,147,398,144
	4D	1,529,864,192
	5D	1,912,330,240
	6D	2,294,796,288
	7D	2,677,262,336
	8D	3,059,728,384
	9D	3,442,194,432
	10D	3,824,660,480
	11D	4,207,126,528
	12D	4,589,592,576
	13D	4,972,058,624
	14D	5,354,524,672
	15D	5,736,990,720
	16D	6,119,456,768
RAID 1	1D+1D	382,466,048
RAID 5	2D+1P	764,932,096
	3D+1P	1,147,398,144
	4D+1P	1,529,864,192
	5D+1P	1,912,330,240
	6D+1P	2,294,796,288
	7D+1P	2,677,262,336
	8D+1P	3,059,728,384
	9D+1P	3,442,194,432
	10D+1P	3,824,660,480
	11D+1P	4,207,126,528
	12D+1P	4,589,592,576
	13D+1P	4,972,058,624
	14D+1P	5,354,524,672
	15D+1P	5,736,990,720

**Table 7-5: Number of Logical Blocks in One Parity Group (SSD or Flash Drive) (Continued)**

RAID Level		Disk Drive Capacity (GB)
		195.82 GB
RAID 6	2D+2P	764,932,096
	3D+2P	1,147,398,144
	4D+2P	1,529,864,192
	5D+2P	1,912,330,240
	6D+2P	2,294,796,288
	7D+2P	2,677,262,336
	8D+2P	3,059,728,384
	9D+2P	3,442,194,432
	10D+2P	3,824,660,480
	11D+2P	4,207,126,528
	12D+2P	4,589,592,576
	13D+2P	4,972,058,624
	14D+2P	5,354,524,672
	15D+2P	5,736,990,720
	16D+2P	6,119,456,768
	17D+2P	6,501,922,816
	18D+2P	6,884,388,864
	19D+2P	7,266,854,912
	20D+2P	7,649,320,960
	RAID 1+0	2D+2P
3D+3P		1,147,398,144
4D+4P		1,529,864,192
5D+5P		1,912,330,240
6D+6P		2,294,796,288
7D+7P		2,677,262,336
8D+8P		3,059,728,384

Table 7-6 lists the number of logical blocks in one parity group (SAS7.2K Drive).

**Table 7-6: Number of Logical Blocks in One Parity Group (SAS7.2K Drive)**

RAID Level		Disk Drive Capacity (GB)
		1956.94 GB
RAID 0	2D	7,644,315,648
	3D	11,466,473,472
	4D	15,288,631,296
	5D	19,110,789,120
	6D	22,932,946,944
	7D	26,755,104,768
	8D	30,577,262,592
	9D	34,399,420,416
	10D	38,221,578,240
	11D	42,043,736,064
	12D	45,865,893,888
	13D	49,688,051,712
	14D	53,510,209,536
	15D	57,332,367,360
	16D	61,154,525,184
RAID 1	1D+1D	3,822,157,824
RAID 5	2D+1P	7,644,315,648
	3D+1P	11,466,473,472
	4D+1P	15,288,631,296
	5D+1P	19,110,789,120
	6D+1P	22,932,946,944
	7D+1P	26,755,104,768
	8D+1P	30,577,262,592
	9D+1P	34,399,420,416
	10D+1P	38,221,578,240
	11D+1P	42,043,736,064
	12D+1P	45,865,893,888
	13D+1P	49,688,051,712
	14D+1P	53,510,209,536
	15D+1P	57,332,367,360

**Table 7-6: Number of Logical Blocks in One Parity Group (SAS7.2K Drive) (Continued)**

RAID Level		Disk Drive Capacity (GB)
		1956.94 GB
RAID 6	2D+2P	7,644,315,648
	3D+2P	11,466,473,472
	4D+2P	15,288,631,296
	5D+2P	19,110,789,120
	6D+2P	22,932,946,944
	7D+2P	26,755,104,768
	8D+2P	30,577,262,592
	9D+2P	34,399,420,416
	10D+2P	38,221,578,240
	11D+2P	42,043,736,064
	12D+2P	45,865,893,888
	13D+2P	49,688,051,712
	14D+2P	53,510,209,536
	15D+2P	57,332,367,360
	16D+2P	61,154,525,184
	17D+2P	64,976,683,008
	18D+2P	68,798,840,832
	19D+2P	72,620,998,656
	20D+2P	76,443,156,480
	21D+2P	80,265,314,304
22D+2P	84,087,472,128	
23D+2P	87,909,629,952	
24D+2P	91,731,787,776	
25D+2P	95,553,945,600	
26D+2P	99,376,103,424	
27D+2P	103,198,261,248	
28D+2P	107,020,419,072	
RAID 1+0	2D+2P	7,644,315,648
	3D+3P	11,466,473,472
	4D+4P	15,288,631,296
	5D+5P	19,110,789,120
	6D+6P	22,932,946,944
	7D+7P	26,755,104,768
	8D+8P	30,577,262,592

## RAID levels and configurations

This chapter lists the storage capacities corresponding to RAID levels and configurations for the Hitachi AMS 2000 Family Storage System. It covers the following key topics:

- ❑ [RAID levels and configurations](#)
- ❑ [RAID 1+0 Flash Drive capacities \(200 GB\)](#)
- ❑ [RAID capacities - when connecting RKS/RKM/RKH/RKHE to RKAK or RKHED to RKAKD](#)
- ❑ [RAID capacities - AMS 2100/2300 base unit and high-density expansion unit](#)
- ❑ [RAID capacities - AMS 2500 base unit and high-density expansion unit SAS/SAS\(SED\)/SATA drives](#)



**NOTE:** The instructions for using the information in the tables in this chapter are located in the *Hitachi AMS 2100/2300 Storage System Hardware Guide*, the *Hitachi AMS 2500 Storage System Hardware Guide*, and the *Hitachi Storage Navigator Modular 2 online help*.



**NOTE:**

In the tables that follow:

- The upper and lower values in each table cell show the number of mounted disk drives and disk capacity respectively. Spare disk drives are not included.
- The values of storage capacity are calculated as 1 GB = 1,000,000,000 bytes. See [Convention for storage capacity values](#) in the Preface of this manual for more information.
- Only the disk drives that are sold by Hitachi Data Systems are described in this chapter.

# RAID levels and configurations

## RAID 0 SAS disk drive capacities (142.61 GB)

Table 8-1: RAID 0 SAS Disk Drive Capacities (146 GB)

Disk capacity	142.61 GB															
Unit	RKS/RKES/RKM/RKEM		RKAK													
Range	1		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Unit	RKAK/RKAKD Note2															
Range	1 Note2		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Total Range	Min. Note2	15 (Max)	30	45	60	75	90	105	120 (Max) Note 3	135	150	165	180	195	210	225
2D Note 1	2 285.23	14 1996.66	30 4278.56	44 6275.22	60 8557.12	74 10553.78	90 12835.68	104 14832.35	120 17114.25	134 19110.91	150 21392.81	164 23389.47	180 25671.37	194 27668.03	210 29949.93	224 31946.60
3D	3 427.85	15 2139.28	30 4278.56	45 6417.84	60 8557.12	75 10696.40	90 12835.68	105 14974.96	120 17114.25	135 19253.53	150 21392.81	165 23532.09	180 25671.37	195 27810.65	210 29949.93	225 32089.22
4D	4 570.47	12 1711.42	28 3993.32	44 6275.22	60 8557.12	72 10268.55	88 12550.45	104 14832.35	120 17114.25	132 18825.67	148 21107.57	164 23389.47	180 25671.37	192 27382.80	208 29664.70	224 31946.60
5D	5 713.09	15 2139.28	30 4278.56	45 6417.84	60 8557.12	75 10696.40	90 12835.68	105 14974.96	120 17114.25	135 19253.53	150 21392.81	165 23532.09	180 25671.37	195 27810.65	210 29949.93	225 32089.22
6D	6 855.71	12 1711.42	30 4278.56	42 5989.98	60 8557.12	72 10268.55	90 12835.68	102 14547.11	120 17114.25	132 18825.67	150 21392.81	162 23104.23	180 25671.37	192 27382.80	210 29949.93	222 31661.36
7D	7 998.33	14 1996.66	28 3993.32	42 5989.98	56 7986.65	70 9983.31	84 11979.97	105 14974.96	119 16971.63	133 18968.29	147 20964.95	161 22961.62	175 24958.28	189 26954.94	210 29949.93	224 31946.60
8D	8 1140.95	8 1140.95	24 3422.85	40 5704.75	56 7986.65	72 10268.55	88 12550.45	104 14832.35	120 17114.25	128 18255.20	144 20537.10	160 22819.00	176 25100.90	192 27382.80	208 29664.70	224 31946.60
9D	9 1283.56	9 1283.56	27 3850.70	45 6417.84	54 7701.41	72 10268.55	90 12835.68	99 14119.25	117 16686.39	135 19253.53	144 20537.10	162 23104.23	180 25671.37	189 26954.94	207 29522.08	225 32089.22
10D	10 1426.18	10 1426.18	30 4278.56	40 5704.75	60 8557.12	70 9983.31	90 12835.68	100 14261.87	120 17114.25	130 18540.43	150 21392.81	160 22819.00	180 25671.37	190 27097.56	210 29949.93	220 31376.12
11D	11 1568.80	11 1568.80	22 3137.61	44 6275.22	55 7844.03	66 9412.83	88 12550.45	99 14119.25	110 15688.06	132 18825.67	143 20394.48	165 23532.09	176 25100.90	187 26669.70	209 29807.32	220 31376.12
12D	12 1711.42	12 1711.42	24 3422.85	36 5134.27	60 8557.12	72 10268.55	84 11979.97	96 13691.40	120 17114.25	132 18825.67	144 20537.10	156 22248.52	180 25671.37	192 27382.80	204 29094.22	216 30805.65
13D	13 1854.04	13 1854.04	26 3708.08	39 5562.13	52 7416.17	65 9270.21	78 11124.26	104 14832.35	117 16686.39	130 18540.43	143 20394.48	156 22248.52	169 24102.57	195 27810.65	208 29664.70	221 31518.74
14D	14 1996.66	14 1996.66	28 3993.32	42 5989.98	56 7986.65	70 9983.31	84 11979.97	98 13976.63	112 15973.30	126 17969.96	140 19966.62	154 21963.28	168 23959.95	182 25956.61	210 29949.93	224 31946.60
15D	15 2139.28	15 2139.28	30 4278.56	45 6417.84	60 8557.12	75 10696.40	90 12835.68	105 14974.96	120 17114.25	135 19253.53	150 21392.81	165 23532.09	180 25671.37	195 27810.65	210 29949.93	225 32089.22
16D	0 0.00	0 0.00	16 2281.90	32 4563.80	48 6845.70	64 9127.60	80 11409.50	96 13691.40	112 15973.30	128 18255.20	144 20537.10	160 22819.00	176 25100.90	192 27382.80	208 29664.70	224 31946.60

**Note 1:** D: data disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKS/RKES.

**Table 8-2: RAID 0 SAS Disk Drive Capacities (146 GB) (Continued)**

Disk capacity	142.61 GB																
Unit	RKAK																
Range	15	16	17	18	19	20	21	22	23								
Unit	RKAK/ RKAKD Note2																
Range	16 Note2	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range	240 (Max) Note 3	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (Max) Note 4
2D	240	254	270	284	300	314	330	344	360	374	390	404	420	434	448	464	480
Note 1	34228.50	36225.16	38507.06	40503.72	42785.62	44782.29	47064.19	49060.85	51342.75	53339.41	55621.31	57617.97	59899.87	61896.54	64178.44	66175.10	68457.00
3D	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480
	34228.50	36367.78	38507.06	40646.34	42785.62	44924.90	47064.19	49203.47	51342.75	53482.03	55621.31	57760.59	59899.87	62039.16	64178.44	66317.72	68457.00
4D	240	252	268	284	300	312	328	344	360	372	388	404	420	432	448	464	480
	34228.50	35939.92	38221.82	40503.72	42785.62	44497.05	46778.95	49060.85	51342.75	53054.17	55336.07	57617.97	59899.87	61611.30	63893.20	66175.10	68457.00
5D	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480
	34228.50	36367.78	38507.06	40646.34	42785.62	44924.90	47064.19	49203.47	51342.75	53482.03	55621.31	57760.59	59899.87	62039.16	64178.44	66317.72	68457.00
6D	240	252	270	282	300	312	330	342	360	372	390	402	420	432	450	462	480
	34228.50	35939.92	38507.06	40218.49	42785.62	44497.05	47064.19	48775.61	51342.75	53054.17	55621.31	57332.74	59899.87	61611.30	64178.44	65889.86	68457.00
7D	238	252	266	280	294	315	329	343	357	371	385	399	420	434	448	462	476
	33943.26	35939.92	37936.58	39933.25	41929.91	44924.90	46921.57	48918.23	50914.89	52911.55	54908.22	56904.88	59899.87	61896.54	63893.20	65889.86	67886.52
8D	240	248	264	280	296	312	328	344	360	368	384	400	416	432	448	464	480
	34228.50	35369.45	37651.35	39933.25	42215.15	44497.05	46778.95	49060.85	51342.75	52483.70	54765.60	57047.50	59329.40	61611.30	63893.20	66175.10	68457.00
9D	234	252	270	279	297	315	324	342	360	369	387	405	414	432	450	459	477
	33372.78	35939.92	38507.06	39790.63	42357.77	44924.90	46208.47	48775.61	51342.75	52626.32	55193.45	57760.59	59044.16	61611.30	64178.44	65462.01	68029.14
10D	240	250	270	280	300	310	330	340	360	370	390	400	420	430	450	460	480
	34228.50	35654.68	38507.06	39933.25	42785.62	44211.81	47064.19	48490.37	51342.75	52768.94	55621.31	57047.50	59899.87	61326.06	64178.44	65604.62	68457.00
11D	231	253	264	275	297	308	330	341	352	374	385	396	418	429	440	462	473
	32944.93	36082.54	37651.35	39220.15	42357.77	43926.57	47064.19	48632.99	50201.80	53339.41	54908.22	56477.02	59614.64	61183.44	62752.25	65889.86	67458.67
12D	240	252	264	276	300	312	324	336	360	372	384	396	420	432	444	456	480
	34228.50	35939.92	37651.35	39362.77	42785.62	44497.05	46208.47	47919.90	51342.75	53054.17	54765.60	56477.02	59899.87	61611.30	63322.72	65034.15	68457.00
13D	234	247	260	273	299	312	325	338	351	364	390	403	416	429	442	455	468
	33372.78	35226.83	37080.87	38934.92	42643.00	44497.05	46351.09	48205.14	50059.18	51913.22	55621.31	57475.35	59329.40	61183.44	63037.49	64891.53	66745.57
14D	238	252	266	280	294	308	322	336	350	364	378	392	420	434	448	462	476
	33943.26	35939.92	37936.58	39933.25	41929.91	43926.57	45923.24	47919.90	49916.56	51913.22	53909.89	55906.55	59899.87	61896.54	63893.20	65889.86	67886.52
15D	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480
	34228.50	36367.78	38507.06	40646.34	42785.62	44924.90	47064.19	49203.47	51342.75	53482.03	55621.31	57760.59	59899.87	62039.16	64178.44	66317.72	68457.00
16D	240	240	256	272	288	304	320	336	352	368	384	400	416	432	448	464	480
	34228.50	34228.50	36510.40	38792.30	41074.20	43356.10	45638.00	47919.90	50201.80	52483.70	54765.60	57047.50	59329.40	61611.30	63893.20	66175.10	68457.00

**Note 1:** D: data disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKM/RKEM.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

# RAID 1 SAS disk drive capacities (146 GB)

Table 8-3: RAID 1 SAS Disk Drive Capacities (146 GB)

Disk capacity	142.61 GB																
Unit	RKS/RKES/ RKM/RKEM		RKAK														
Range	1		1	2	3	4	5	6	7	8	9	10	11	12	13	14	-
Unit	RKAK/RKAKD Note2																-
Range	1 Note2		2	3	4	5	6	7	8	9	10	11	12	13	14	15	-
Total Range	Min.	15 (Max)	30	45	60	75	90	105	120 (Max) Note 3	135	150	165	180	195	210	225	-
1D+1D	2	14	30	44	60	74	90	104	120	134	150	164	180	194	210	224	-
Note1	142.61	998.33	2139.28	3137.61	4278.56	5276.89	6417.84	7416.17	8557.12	9555.45	10696.40	11694.73	12835.68	13834.01	14974.96	15973.30	-
Unit	RKAK																-
Range	15	16	17	18	19	20	21	22	23								-
Unit	RKAK/ RKAKX Note2																-
Range	16 Note2	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range	240 (Max) Note 4	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (Max) Note5
1D+1D	240	254	270	284	300	314	330	344	360	374	390	404	420	434	450	464	480
Note 1	17114.25	18112.58	19253.53	20251.86	21392.81	22391.14	23532.09	24530.42	25671.37	26669.70	27810.65	28808.98	29949.93	30948.27	32089.22	33087.55	34228.50

**Note 1:** D: data disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKS/RKES.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKM/RKEM.

**Note 5:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

# RAID 5 SAS disk drive capacities (146 GB)

**Table 8-4: RAID 5 SAS Disk Drive Capacities (146 GB)**

Disk capacity	142.61 GB															
Unit	RKS/RKES/ RKM/RKEM		RKAK													
Range	1		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Unit	RKAK/RKAKD Note2															
Range	1 Note2		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Total Range	Min.	15 (Max)	30	45	60	75	90	105	120 (Max) Note3	135	150	165	180	195	210	225
2D+1P Note1	3 285.23	15 1426.18	30 2852.37	45 4278.56	60 5704.75	75 7130.93	90 8557.12	105 9983.31	120 11409.50	135 12835.68	150 14261.87	165 15688.06	180 17114.25	195 18540.43	210 19966.62	225 21392.81
3D+1P	4 427.85	12 1283.56	28 2994.99	44 4706.41	60 6417.84	72 7701.41	88 9412.83	104 11124.26	120 12835.68	132 14119.25	148 15830.68	164 17542.10	180 19253.53	192 20537.10	208 22248.52	224 23959.95
4D+1P	5 570.47	15 1711.42	30 3422.85	45 5134.27	60 6845.70	75 8557.12	90 10268.55	105 11979.97	120 13691.40	135 15402.82	150 17114.25	165 18825.67	180 20537.10	195 22248.52	210 23959.95	225 25671.37
5D+1P	6 713.09	12 1426.18	30 3565.46	42 4991.65	60 7130.93	72 8557.12	90 10696.40	102 12122.59	120 14261.87	132 15688.06	150 17827.34	162 19253.53	180 21392.81	192 22819.00	210 24958.28	222 26384.47
6D+1P	7 855.71	14 1711.42	28 3422.85	42 5134.27	56 6845.70	70 8557.12	84 10268.55	105 12835.68	119 14547.11	133 16258.53	147 17969.96	161 19681.38	175 21392.81	189 23104.23	210 25671.37	224 27382.80
7D+1P	8 998.33	8 998.33	24 2994.99	40 4991.65	56 6988.31	72 8984.98	88 10981.64	104 12978.30	120 14974.96	128 15973.30	144 17969.96	160 19966.62	176 21963.28	192 23959.95	208 25956.61	224 27953.27
8D+1P	9 1140.95	9 1140.95	27 3422.85	45 5704.75	54 6845.70	72 9127.60	90 11409.50	99 12550.45	117 14832.35	135 17114.25	144 18255.20	162 20537.10	180 22819.00	189 23959.95	207 26241.85	225 28523.75
9D+1P	10 1283.56	10 1283.56	30 3850.70	40 5134.27	60 7701.41	70 8984.98	90 11552.11	100 12835.68	120 15402.82	130 16686.39	150 19253.53	160 20537.10	180 23104.23	190 24387.80	210 26954.94	220 28238.51
10D+1P	11 1426.18	11 1426.18	22 2852.37	44 5704.75	55 7130.93	66 8557.12	88 11409.50	99 12835.68	110 14261.87	132 17114.25	143 18540.43	165 21392.81	176 22819.00	187 24245.18	209 27097.56	220 28523.75
11D+1P	12 1568.80	12 1568.80	24 3137.61	36 4706.41	60 7844.03	72 9412.83	84 10981.64	96 12550.45	120 15688.06	132 17256.86	144 18825.67	156 20394.48	180 23532.09	192 25100.90	204 26669.70	216 28238.51
12D+1P	13 1711.42	13 1711.42	26 3422.85	39 5134.27	52 6845.70	65 8557.12	78 10268.55	104 13691.40	117 15402.82	130 17114.25	143 18825.67	156 20537.10	169 22248.52	195 25671.37	208 27382.80	221 29094.22
13D+1P	14 1854.04	14 1854.04	28 3708.08	42 5562.13	56 7416.17	70 9270.21	84 11124.26	98 12978.30	112 14832.35	126 16686.39	140 18540.43	154 20394.48	168 22248.52	182 24102.57	210 27810.65	224 29664.70
14D+1P	15 1996.66	15 1996.66	30 3993.32	45 5989.98	60 7986.65	75 9983.31	90 11979.97	105 13976.63	120 15973.30	135 17969.96	150 19966.62	165 21963.28	180 23959.95	195 25956.61	210 27953.27	225 29949.93
15D+1P	0 0.00	0 0.00	16 2139.28	32 4278.56	48 6417.84	64 8557.12	80 10696.40	96 12835.68	112 14974.96	128 17114.25	144 19253.53	160 21392.81	176 23532.09	192 25671.37	208 27810.65	224 29949.93

**Note 1:** D: data disk, P: parity disk..

**Note 2:** Indicates component unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKS/RKES.

Table 8-5: RAID 5 SAS Disk Drive Capacities (146 GB) (Continued)

Disk capacity	14261 G bytes																	
Component unit	RKAK																	
Range	15																	
Component unit	RKAK/RKAKD (*2)																	
Range	16 (*2)	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
Total range of Disk drives	240 (1b)(*) (*3)	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (1b)(*) (*4)	
2D+1P	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480	
(*1)	228 19.00	242 45. 8	256 71.37	270 97.56	285 23.75	299 49.93	313 76. 12	328 02.31	342 28.50	356 54.68	370 80.87	385 07.06	399 33.25	413 59.44	427 85.62	442 11.81	456 38.00	
3D+1P	240	252	266	284	300	312	328	344	360	372	388	404	420	432	448	464	480	
	256 71.37	269 54.94	286 66.37	303 77.79	320 89.22	333 72.78	350 84.21	367 95.63	385 07.06	397 90.63	415 02.05	432 13.48	449 24.90	462 06.47	479 19.90	496 31.32	513 42.75	
4D+1P	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480	
	273 82.80	290 94.22	308 05.65	325 17.07	342 28.50	359 39.92	376 51.35	393 62.77	410 74.20	427 85.62	444 97.05	462 08.47	479 19.90	496 31.32	513 42.75	530 54.17	547 65.60	
5D+1P	240	252	270	282	300	312	330	342	360	372	390	402	420	432	450	462	480	
	285 23.75	299 49.93	320 89.22	335 15.40	356 54.68	370 80.87	392 20.15	406 46.34	427 85.62	442 11.81	463 51.09	477 77.28	499 16.56	513 42.75	534 82.03	549 08.22	570 47.50	
6D+1P	238	252	266	280	294	315	329	343	357	371	385	399	420	434	448	462	476	
	290 94.22	308 05.65	325 17.07	342 28.50	359 39.92	385 07.06	402 18.48	419 29.91	436 41.34	453 52.76	470 64.19	487 75.61	513 42.75	530 54.17	547 65.60	564 77.02	581 88.45	
7D+1P	240	248	264	280	296	312	328	344	360	368	384	400	416	432	448	464	480	
	299 49.93	309 48.27	329 44.93	349 41.59	369 38.25	389 34.92	409 31.58	429 28.24	449 24.90	459 23.24	479 19.90	499 16.56	519 13.22	539 09.89	559 06.55	579 03.21	598 99.87	
8D+1P	234	252	270	279	297	315	324	342	360	369	387	405	414	432	450	459	477	
	296 64.70	319 46.60	342 28.50	353 69.45	376 51.35	399 33.25	410 74.20	433 56.10	456 38.00	467 78.95	490 60.85	513 42.75	524 83.70	547 65.60	570 47.50	581 88.45	604 70.35	
9D+1P	240	250	270	280	300	310	330	340	360	370	390	400	420	430	450	460	480	
	308 05.65	320 89.22	346 56.35	359 39.92	385 07.06	397 90.63	423 57.77	436 41.34	462 08.47	474 92.04	500 59.18	513 42.75	539 09.89	551 93.45	577 60.59	590 44.16	616 11.30	
10D+1P	231	253	264	275	297	308	330	341	352	374	385	396	418	429	440	462	473	
	299 49.93	328 02.31	342 28.50	356 54.68	385 07.06	399 33.25	427 85.62	442 11.81	456 38.00	484 90.37	499 16.56	513 42.75	541 95.12	556 21.31	570 47.50	598 99.87	613 26.06	
11D+1P	240	252	264	276	300	312	324	336	360	372	384	396	420	432	444	456	480	
	313 76.12	329 44.93	345 13.73	360 82.54	392 20.15	407 88.96	423 57.77	439 26.57	470 64.19	486 32.99	502 01.80	517 70.60	549 08.22	564 77.02	580 45.83	596 14.64	627 52.25	
12D+1P	234	247	260	273	299	312	325	338	351	364	390	403	416	429	442	455	468	
	308 05.65	325 17.07	342 28.50	359 39.92	393 62.77	410 74.20	427 85.62	444 97.05	462 08.47	479 19.90	513 42.75	530 54.17	547 65.60	564 77.02	581 88.45	598 99.87	616 11.30	
13D+1P	238	252	266	280	294	308	322	336	350	364	378	392	420	434	448	462	476	
	315 18.74	333 72.78	352 26.83	370 80.87	389 34.92	407 88.96	426 43.00	444 97.05	463 51.09	482 05.14	500 59.18	519 13.22	556 21.31	574 75.35	593 29.40	611 83.44	630 37.48	
14D+1P	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480	
	319 46.60	339 43.26	359 39.92	379 36.58	399 33.25	419 29.91	439 26.57	459 23.24	479 19.90	499 16.56	519 13.22	539 09.89	559 06.55	579 03.21	598 99.87	618 96.54	638 93.20	
15D+1P	240	240	256	272	288	304	320	336	352	368	384	400	416	432	448	464	480	
	320 89.22	320 89.22	342 28.50	363 67.78	385 07.06	406 46.34	427 85.62	449 24.90	470 64.19	492 03.47	513 42.75	534 82.03	556 21.31	577 60.59	598 99.87	620 39.16	641 78.44	

**Note 1:** D: data disk, P: parity disk..

**Note 2:** Indicates unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKM/RKEM.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

# RAID 6 SAS disk drive capacities (146 GB)

Table 8-6: RAID 6 SAS Disk Drive Capacities (146 GB) 1 of 2

Disk capacity	142.61 GB															
Unit	RKS/RKES/RKM/RKEM		RKAK													
Range	1		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Unit	RKAK/RKAKD Note2															
Range	1 Note2		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Total Range	Min.	15 (Max)	30	45	60	75	90	105	120 (Max) Note3	135	150	165	180	195	210	225
2D+2P Note1	4 285.23	12 855.71	28 1996.66	44 3137.61	60 4278.56	72 5134.27	88 6275.22	104 7416.17	120 8557.12	132 9412.83	148 10553.78	164 11694.73	180 12835.68	192 13691.40	208 14832.35	224 15973.30
3D+2P	5 427.85	15 1283.56	30 2567.13	45 3850.70	60 5134.27	75 6417.84	90 7701.41	105 8984.98	120 10268.55	135 11552.11	150 12835.68	165 14119.25	180 15402.82	195 16686.39	210 17969.96	225 19253.53
4D+2P	6 570.47	12 1140.95	30 2852.37	42 3993.32	60 5704.75	72 6845.70	90 8557.12	102 9698.07	120 11409.50	132 12550.45	150 14261.87	162 15402.82	180 17114.25	192 18255.20	210 19966.62	222 21107.57
5D+2P	7 713.09	14 1426.18	28 2852.37	42 4278.56	56 5704.75	70 7130.93	84 8557.12	105 10696.40	119 12122.59	133 13548.78	147 14974.96	161 16401.15	175 17827.34	189 19253.53	210 21392.81	224 22819.00
6D+2P	8 855.71	8 855.71	24 2567.13	40 4278.56	56 5989.98	72 7701.41	88 9412.83	104 11124.26	120 12835.68	128 13691.40	144 15402.82	160 17114.25	176 18825.67	192 20537.10	208 22248.52	224 23959.95
7D+2P	9 998.33	9 998.33	27 2994.99	45 4991.65	54 5989.98	72 7986.65	90 9983.31	99 10981.64	117 12978.30	135 14974.96	144 15973.30	162 17969.96	180 19966.62	189 20964.95	207 22961.62	225 24958.28
8D+2P	10 1140.95	10 1140.95	30 3422.85	40 4563.80	60 6845.70	70 7986.65	90 10268.55	100 11409.50	120 13691.40	130 14832.35	150 17114.25	160 18255.20	180 20537.10	190 21678.05	210 23959.95	220 25100.90
9D+2P	11 1283.56	11 1283.56	22 2567.13	44 5134.27	55 6417.84	66 7701.41	88 10268.55	99 11552.11	110 12835.68	132 15402.82	143 16686.39	165 19253.53	176 20537.10	187 21820.67	209 24387.80	220 25671.37
10D+2P	12 1426.18	12 1426.18	24 2852.37	36 4278.56	60 7130.93	72 8557.12	84 9983.31	96 11409.50	120 14261.87	132 15688.06	144 17114.25	156 18540.43	180 21392.81	192 22819.00	204 24245.18	216 25671.37
11D+2P	13 1568.80	13 1568.80	26 3137.61	39 4706.41	52 6275.22	65 7844.03	78 9412.83	104 12550.45	117 14119.25	130 15688.06	143 17256.86	156 18825.67	169 20394.48	195 23532.09	208 25100.90	221 26669.70
12D+2P	14 1711.42	14 1711.42	28 3422.85	42 5134.27	56 6845.70	70 8557.12	84 10268.55	98 11979.97	112 13691.40	126 15402.82	140 17114.25	154 18825.67	168 20537.10	182 22248.52	210 25671.37	224 27382.80
13D+2P	15 1854.04	15 1854.04	30 3708.08	45 5562.13	60 7416.17	75 9270.21	90 11124.26	105 12978.30	120 14832.35	135 16686.39	150 18540.43	165 20394.48	180 22248.52	195 24102.57	210 25956.61	225 27810.65
14D+2P	0 0.00	0 0.00	16 1996.66	32 3993.32	48 5989.98	64 7986.65	80 9983.31	96 11979.97	112 13976.63	128 15973.30	144 17969.96	160 19966.62	176 21963.28	192 23959.95	208 25956.61	224 27953.27
15D+2P	0 0.00	0 0.00	17 2139.28	34 4278.56	51 6417.84	68 8557.12	85 10696.40	102 12835.68	119 14974.96	119 14974.96	136 17114.25	153 19253.53	170 21392.81	187 23532.09	204 25671.37	221 27810.65
16D+2P	0 0.00	0 0.00	18 2281.90	36 4563.80	54 6845.70	72 9127.60	90 11409.50	90 11409.50	108 13691.40	126 15973.30	144 18255.20	162 20537.10	180 22819.00	180 22819.00	198 25100.90	216 27382.80
17D+2P	0 0.00	0 0.00	19 2424.51	38 4849.03	57 7273.55	76 9412.83	95 11979.97	114 14119.25	133 16971.63	152 19396.15	171 21820.67	190 24245.18	209 26669.70	209 26669.70	225 29522.08	242 31477.82
18D+2P	0 0.00	0 0.00	20 2567.13	40 5134.27	60 7701.41	80 10268.55	100 12835.68	120 15402.82	140 17969.96	160 20537.10	180 23104.23	200 25671.37	220 28238.51	240 30899.65	260 33610.79	280 36483.93
19D+2P	0 0.00	0 0.00	21 2709.75	42 5419.51	63 8129.26	84 10839.02	105 13548.78	126 16258.53	147 18968.29	167 21678.05	187 24387.80	207 27097.56	227 30007.31	247 32717.02	267 35387.23	287 38157.74
20D+2P	0 0.00	0 0.00	22 2852.37	44 5704.75	66 8557.12	88 11409.50	110 14261.87	132 17114.25	154 19966.62	176 22819.00	198 25671.37	220 28523.75	242 31477.82	264 34378.33	286 37328.84	308 40189.35
21D+2P	0 0.00	0 0.00	23 2994.99	46 5989.98	69 8984.98	92 11979.97	115 14974.96	138 17969.96	161 20964.95	184 23959.95	207 26954.94	230 29950.93	253 32945.92	276 35940.91	299 38931.90	322 41922.88
22D+2P	0 0.00	0 0.00	24 3137.61	48 6275.22	72 9412.83	96 12550.45	120 15688.06	144 18825.67	168 21963.28	192 25100.90	216 28238.51	240 31520.02	264 34600.53	288 37671.04	312 40731.55	336 43782.06
23D+2P	0 0.00	0 0.00	25 3280.23	50 6560.46	75 9840.69	100 13120.92	125 15688.06	150 18825.67	175 21963.28	200 25100.90	225 28238.51	250 31520.02	275 34600.53	300 37671.04	325 40731.55	350 43782.06

**Table 8-6: RAID 6 SAS Disk Drive Capacities (146 GB) 1 of 2 (Continued)**

Disk capacity	142.61 GB															
24D+2P	0 0.00	0 0.00	26 3422.85	26 3422.85	52 6845.70	52 6845.70	78 10268.55	104 13691.40	104 13691.40	130 17114.25	130 17114.25	156 20537.10	156 20537.10	182 23959.95	208 27382.80	208 27382.80
25D+2P	0 0.00	0 0.00	27 3565.46	27 3565.46	54 7130.93	54 7130.93	81 10696.40	81 10696.40	108 14261.87	135 17827.34	135 17827.34	162 21392.81	162 21392.81	189 24958.28	189 24958.28	216 28523.75
26D+2P	0 0.00	0 0.00	28 3708.08	28 3708.08	56 7416.17	56 7416.17	84 11124.26	84 11124.26	112 14832.35	112 14832.35	140 18540.43	140 18540.43	168 22248.52	168 22248.52	196 25956.61	224 29664.70
27D+2P	0 0.00	0 0.00	29 3850.70	29 3850.70	58 7701.41	58 7701.41	87 11552.11	87 11552.11	116 15402.82	116 15402.82	145 19253.53	145 19253.53	174 23104.23	174 23104.23	203 26954.94	203 26954.94
28D+2P	0 0.00	0 0.00	30 3993.32	30 3993.32	60 7986.65	60 7986.65	90 11979.97	90 11979.97	120 15973.30	120 15973.30	150 19966.62	150 19966.62	180 23959.95	180 23959.95	210 27953.27	210 27953.27

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKS/RKES.

**Table 8-7: RAID 6 SAS Disk Drive Capacities (146 GB) 2 of 2**

Disk capacity	142.61 GB																	
Unit	RKAK																	
Range	15	16	17	18	19	20	21	22	23									
Unit	RKAK/ RKAKD Note2																	
Range	16 Note2	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
Total Range	240 (Max) Note3	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (Max) Note4	
2D+2P Note1	240 17114.25	252 17969.96	268 19110.91	284 20251.86	300 21392.81	312 22248.52	328 23389.47	344 24530.42	360 25671.37	372 26527.08	388 27668.03	404 28808.98	420 29949.93	432 30805.65	448 31946.60	464 33087.55	480 34228.50	
3D+2P	240 20537.10	255 21820.67	270 23104.23	285 24387.80	300 25671.37	315 26954.94	330 28238.51	345 29522.08	360 30805.65	375 32089.22	390 33372.78	405 34656.35	420 35939.92	435 37223.49	450 38507.06	465 39790.63	480 41074.20	
4D+2P	240 22819.00	252 23959.95	270 25671.37	282 26812.32	300 28523.75	312 29664.70	330 31376.12	342 32517.07	360 34228.50	372 35369.45	390 37080.87	402 38221.82	420 39933.25	432 41074.20	450 42785.62	462 43926.57	480 45638.00	
5D+2P	238 24245.18	252 25671.37	266 27097.56	280 28523.75	294 29949.93	315 32089.22	329 33515.40	343 34941.59	357 36367.78	371 37793.97	385 39220.15	399 40646.34	420 42785.62	434 44211.81	448 45638.00	462 47064.19	476 48490.37	
6D+2P	240 25671.37	248 26527.08	264 28238.51	280 29949.93	296 31661.36	312 33372.78	328 35084.21	344 36795.63	360 38507.06	368 39362.77	384 41074.20	400 42785.62	416 44497.05	432 46208.47	448 47919.90	464 49631.32	480 51342.75	
7D+2P	234 25956.61	252 27953.27	270 29949.93	279 30948.27	297 32944.93	315 34941.59	324 35939.92	342 37936.58	360 39933.25	369 40931.58	387 42928.24	405 44924.90	414 45923.24	432 47919.90	450 49916.56	459 50914.89	477 52911.55	
8D+2P	240 27382.80	250 28523.75	270 30805.65	280 31946.60	300 34228.50	310 35369.45	330 37651.35	340 38792.30	360 41074.20	370 42215.15	390 44497.05	400 45638.00	420 47919.90	430 49060.85	450 51342.75	460 52483.70	480 54765.60	
9D+2P	231 26954.94	253 29522.08	264 30805.65	275 32089.22	297 34656.35	308 35939.92	330 38507.06	341 39790.63	352 41074.20	374 43641.34	385 44924.90	405 46208.47	418 48775.61	429 50059.18	440 51342.75	462 53909.89	473 55193.45	
10D+2P	240 28523.75	252 29949.93	264 31376.12	276 32802.31	300 35654.68	312 37080.87	324 38507.06	336 39933.25	360 42785.62	372 44211.81	384 45638.00	396 47064.19	420 49916.56	432 51342.75	444 52768.94	456 54195.12	480 57047.50	
11D+2P	234 28238.51	247 29807.32	260 31376.12	273 32944.93	299 36082.54	312 37651.35	325 39220.15	338 40788.96	351 42357.77	364 43926.57	390 47064.19	403 48632.99	416 50201.80	429 51770.60	442 53339.41	455 54908.22	468 56477.02	
12D+2P	238 29094.22	252 30805.65	266 32517.07	280 34228.50	294 35939.92	308 37651.35	322 39362.77	336 41074.20	350 42785.62	364 44497.05	378 46208.47	392 47919.90	420 51342.75	434 53054.17	448 54765.60	462 56477.02	476 58188.45	
13D+2P	240 29664.70	255 31518.74	270 33372.78	285 35226.83	300 37080.87	315 38934.92	330 40788.96	345 42643.00	360 44497.05	375 46351.09	390 48205.14	405 50059.18	420 51913.22	435 53767.27	450 55621.31	465 57475.35	480 59329.40	
14D+2P	240 29949.93	240 29949.93	256 31946.60	272 33943.26	288 35939.92	304 37936.58	320 39933.25	336 41929.91	352 43926.57	368 45923.24	384 47919.90	400 49916.56	416 51913.22	432 53909.89	448 55906.55	464 57903.21	480 59899.87	

**Table 8-7: RAID 6 SAS Disk Drive Capacities (146 GB) 2 of 2 (Continued)**

Disk capacity	142.61 GB																
15D+2P	238 29949.93	255 32089.22	255 32089.22	272 34228.50	289 36367.78	306 38507.06	323 40646.34	340 42785.62	357 44924.90	374 47064.19	374 47064.19	391 49203.47	408 51342.75	425 53482.03	442 55621.31	459 57760.59	476 59899.87
16D+2P	234 29664.70	252 31946.60	270 34228.50	270 34228.50	288 36510.40	306 38792.30	324 41074.20	342 43356.10	360 45638.00	360 45638.00	378 47919.90	396 50201.80	414 52483.70	432 54765.60	450 57047.50	450 57047.50	468 59329.40
17D+2P	228 29094.22	247 31518.74	266 33943.26	285 36367.78	285 36367.78	304 38792.30	323 41216.82	342 43641.34	342 43641.34	361 46065.85	380 48490.37	399 50914.89	418 53339.41	418 53339.41	437 55763.93	456 58188.45	475 60612.97
18D+2P	240 30805.65	240 30805.65	260 33372.78	280 35939.92	300 38507.06	300 38507.06	320 41074.20	340 43641.34	360 46208.47	360 46208.47	380 48775.61	400 51342.75	420 53909.89	420 53909.89	440 56477.02	460 59044.16	480 61611.30
19D+2P	231 29807.32	252 32517.07	252 32517.07	273 35226.83	294 37936.58	315 40646.34	315 40646.34	336 43356.10	357 46065.85	357 46065.85	378 48775.61	399 51485.37	420 54195.12	420 54195.12	441 56904.88	462 59614.64	462 59614.64
20D+2P	220 28523.75	242 31376.12	264 34228.50	264 34228.50	286 37080.87	308 39933.25	330 42785.62	330 42785.62	352 45638.00	374 48490.37	374 48490.37	396 51342.75	418 54195.12	418 54195.12	440 57047.50	462 59899.87	462 59899.87
21D+2P	230 29949.93	253 32944.93	253 32944.93	276 35939.92	299 38934.92	299 38934.92	322 41929.91	345 44924.90	345 44924.90	368 47919.90	368 47919.90	391 50914.89	414 53909.89	414 53909.89	437 56904.88	460 59899.87	460 59899.87
22D+2P	240 31376.12	240 31376.12	264 34513.73	264 34513.73	288 37651.35	312 40788.96	312 40788.96	336 43926.57	360 47064.19	360 47064.19	384 50201.80	384 50201.80	408 53339.41	432 56477.02	432 56477.02	456 59614.64	480 62752.25
23D+2P	225 29522.08	250 32802.31	250 32802.31	275 36082.54	300 39362.77	300 39362.77	325 42643.00	325 42643.00	350 45923.24	375 49203.47	375 49203.47	400 52483.70	400 52483.70	425 55763.93	450 59044.16	450 59044.16	475 62324.39
24D+2P	234 30805.65	234 30805.65	260 34228.50	260 34228.50	286 37651.35	312 41074.20	312 41074.20	338 44497.05	338 44497.05	364 47919.90	390 51342.75	390 51342.75	416 54765.60	416 54765.60	442 58188.45	442 58188.45	468 61611.30
25D+2P	216 28523.75	243 32089.22	270 35654.68	270 35654.68	297 39220.15	297 39220.15	324 42785.62	324 42785.62	351 46351.09	351 46351.09	378 49916.56	405 53482.03	405 53482.03	432 57047.50	432 57047.50	459 60612.97	459 60612.97
26D+2P	224 29664.70	252 33372.78	252 33372.78	280 37080.87	280 37080.87	308 40788.96	308 40788.96	336 44497.05	336 44497.05	364 48205.14	364 48205.14	392 51913.22	420 55621.31	420 55621.31	448 59329.40	448 59329.40	476 63037.49
27D+2P	232 30805.65	232 30805.65	261 34656.35	261 34656.35	290 38507.06	290 38507.06	319 42357.77	319 42357.77	348 46208.47	348 46208.47	377 50059.18	377 50059.18	406 53909.89	435 57760.59	435 57760.59	464 61611.30	464 61611.30
28D+2P	240 31946.60	240 31946.60	270 35939.92	270 35939.92	300 39933.25	300 39933.25	330 43926.57	330 43926.57	360 47919.90	360 47919.90	390 51913.22	390 51913.22	420 55906.55	420 55906.55	450 59899.87	450 59899.87	480 63893.20

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKM/RKEM.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

# RAID 1+0 SAS disk drive capacities (146 GB)

**Table 8-8: RAID 1+0 SAS Disk Drive Capacities (146 GB)**

Disk capacity	142.61 GB																
Unit	RKS/RKES/ RKM/RKEM	RKAK															
Range	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14		
Unit	RKAK/ RKAKD Note2																
Range	1 Note2	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
Total Range	Min.	15 (Max)	30	45	60	75	90	105	120 (Max) Note3	135	150	165	180	195	210	225	
2D+2D	4	12	28	44	60	72	88	104	120	132	148	164	180	192	208	224	-
Note1	285.23	855.71	1996.66	3137.61	4278.56	5134.27	6275.22	7416.17	8557.12	9412.83	10553.78	11694.73	12835.68	13691.40	14832.35	15973.30	-
3D+3D	6	12	30	42	60	72	90	102	120	132	150	162	180	192	210	222	-
	427.85	855.71	2139.28	2994.99	4278.56	5134.27	6417.84	7273.55	8557.12	9412.83	10696.40	11552.11	12835.68	13691.40	14974.96	15830.68	-
4D+4D	8	8	24	40	56	72	88	104	120	128	144	160	176	192	208	224	-
	570.47	570.47	1711.42	2852.37	3993.32	5134.27	6275.22	7416.17	8557.12	9127.60	10268.55	11409.50	12550.45	13691.40	14832.35	15973.30	-
5D+5D	10	10	30	40	60	70	90	100	120	130	150	160	180	190	210	220	-
	713.09	713.09	2139.28	2852.37	4278.56	4991.65	6417.84	7130.93	8557.12	9270.21	10696.40	11409.50	12835.68	13548.78	14974.96	15688.06	-
6D+6D	12	12	24	36	60	72	84	96	120	132	144	156	180	192	204	216	-
	855.71	855.71	1711.42	2567.13	4278.56	5134.27	5989.98	6845.70	8557.12	9412.83	10268.55	11124.26	12835.68	13691.40	14547.11	15402.82	-
7D+7D	14	14	28	42	56	70	84	98	112	126	140	154	168	182	210	224	-
	998.33	998.33	1996.66	2994.99	3993.32	4991.65	5989.98	6988.31	7986.65	8984.98	9983.31	10981.64	11979.97	12978.30	14974.96	15973.30	-
8D+8D	0	0	16	32	48	64	80	96	112	128	144	160	176	192	208	224	-
	0.00	0.00	1140.95	2281.90	3422.85	4563.80	5704.75	6845.70	7986.65	9127.60	10268.55	11409.50	12550.45	13691.40	14832.35	15973.30	-
Unit	RKAK																
Range	15	16	17	18	19	20	21	22	23								
Unit	RKAK Note2																
Range	16 Note2	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range	240 (Max) Note4	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	Max Note5
2D+2D	240	252	268	284	300	312	328	344	360	372	388	404	420	432	448	464	480
Note1	17114.25	17969.96	19110.91	20251.86	21392.81	22248.52	23389.47	24530.42	25671.37	26527.08	27668.03	28808.98	29949.93	30805.65	31946.60	33087.55	34228.50
3D+3D	240	252	270	282	300	312	330	342	360	372	390	402	420	432	450	462	480
	17114.25	17969.96	19253.53	20109.24	21392.81	22248.52	23532.09	24387.80	25671.37	26527.08	27810.65	28666.37	29949.93	30805.65	32089.22	32944.93	34228.50
4D+4D	240	248	264	280	296	312	328	344	360	368	384	400	416	432	448	464	480
	17114.25	17684.72	18825.67	19966.62	21107.57	22248.52	23389.47	24530.42	25671.37	26241.85	27382.80	28523.75	29664.70	30805.65	31946.60	33087.55	34228.50
5D+5D	240	250	270	280	300	310	330	340	360	370	390	400	420	430	450	460	480
	17114.25	17827.34	19253.53	19966.62	21392.81	22105.90	23532.09	24245.18	25671.37	26384.47	27810.65	28523.75	29949.93	30663.03	32089.22	32802.31	34228.50
6D+6D	240	252	264	276	300	312	324	336	360	372	384	396	420	432	444	456	480
	17114.25	17969.96	18825.67	19681.38	21392.81	22248.52	23104.23	23959.95	25671.37	26527.08	27382.80	28238.51	29949.93	30805.65	31661.36	32517.07	34228.50
7D+7D	238	252	266	280	294	308	322	336	350	364	378	392	420	434	448	462	476
	16971.63	17969.96	18968.29	19966.62	20964.95	21963.28	22961.62	23959.95	24958.28	25956.61	26954.94	27953.27	29949.93	30948.27	31946.60	32944.93	33943.26
8D+8D	240	240	256	272	288	304	320	336	352	368	384	400	416	432	448	464	480
	17114.25	17114.25	18255.20	19396.15	20537.10	21678.05	22819.00	23959.95	25100.90	26241.85	27382.80	28523.75	29664.70	30805.65	31946.60	33087.55	34228.50

**Note 1:** D: data disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHD/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKS/RKES.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKM/RKEM.

**Note 5:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKH/

RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

## RAID 0 flash drive capacities (200 GB)

Table 8-9: RAID 0 Flash Drive Capacities (200 GB) 1 of 2

Drive capacity	195.82 GB															
Unit	RKS/RKES/ RKM/RKEM	RKAK														
Range	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Unit	RKAK/RKAKD (Note2)															
Range	1 (Note2)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Total Range of drives	Min.	15 (max)	30	45	60	75	90	105	120 (max) (Note3)	135	150	165	180	195	210	225
2D (Note 1)	2	14	30	44	60	74	90	104	120	134	150	164	180	194	210	224
	391.64	2741.51	5874.67	8616.19	11749.35	14490.87	17624.03	20365.55	23498.71	26240.23	29373.39	32114.90	35248.07	37989.58	41122.74	43864.26
3D	3	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
	587.46	2937.33	5874.67	8812.01	11749.35	14686.69	17624.03	20561.37	23498.71	26436.05	29373.39	32310.73	35248.07	38185.41	41122.74	44060.08
4D	4	12	28	44	60	72	88	104	120	132	148	164	180	192	208	224
	783.29	2349.87	5483.03	8616.19	11749.35	14099.22	17232.39	20365.55	23498.71	25848.58	28981.74	32114.90	35248.07	37597.94	40731.10	43864.26
5D	5	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
	979.11	2937.33	5874.67	8812.01	11749.35	14686.69	17624.03	20561.37	23498.71	26436.05	29373.39	32310.73	35248.07	38185.41	41122.74	44060.08
6D	6	12	30	42	60	72	90	102	120	132	150	162	180	192	210	222
	1174.93	2349.87	5874.67	8224.54	11749.35	14099.22	17624.03	19973.90	23498.71	25848.58	29373.39	31723.26	35248.07	37597.94	41122.74	43472.62
7D	7	14	28	42	56	70	84	105	119	133	147	161	175	189	210	224
	1370.75	2741.51	5483.03	8224.54	10966.06	13707.58	16449.09	20561.37	23302.89	26044.40	28785.92	31527.44	34268.95	37010.47	41122.74	43864.26
8D	8	8	24	40	56	72	88	104	120	128	144	160	176	192	208	224
	1566.58	1566.58	4699.74	7832.90	10966.06	14099.22	17232.39	20365.55	23498.71	25065.29	28198.45	31331.61	34464.78	37597.94	40731.10	43864.26
9D	9	9	27	45	54	72	90	99	117	135	144	162	180	189	207	225
	1762.40	1762.40	5287.21	8812.01	10574.42	14099.22	17624.03	19386.43	22911.24	26436.05	28198.45	31723.26	35248.07	37010.47	40535.28	44060.08
10D	10	10	30	40	60	70	90	100	120	130	150	160	180	190	210	220
	1958.22	1958.22	5874.67	7832.90	11749.35	13707.58	17624.03	19582.26	23498.71	25456.94	29373.39	31331.61	35248.07	37206.29	41122.74	43080.97
11D	11	11	22	44	55	66	88	99	110	132	143	165	176	187	209	220
	2154.04	2154.04	4308.09	8616.19	10770.24	12924.29	17232.39	19386.43	21540.48	25848.58	28002.63	32310.73	34464.78	36618.82	40926.92	43080.97
12D	12	12	24	36	60	72	84	96	120	132	144	156	180	192	204	216
	2349.87	2349.87	4699.74	7049.61	11749.35	14099.22	16449.09	18798.97	23498.71	25848.58	28198.45	30548.32	35248.07	37597.94	39947.81	42297.68
13D	13	13	26	39	52	65	78	104	117	130	143	156	169	195	208	221
	2545.69	2545.69	5091.38	7637.08	10182.77	12728.47	15274.16	20365.55	22911.24	25456.94	28002.63	30548.32	33094.02	38185.41	40731.10	43276.79
14D	14	14	28	42	56	70	84	98	112	126	140	154	168	182	210	224
	2741.51	2741.51	5483.03	8224.54	10966.06	13707.58	16449.09	19190.61	21932.13	24673.64	27415.16	30156.68	32898.19	35639.71	41122.74	43864.26
15D	15	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
	2937.33	2937.33	5874.67	8812.01	11749.35	14686.69	17624.03	20561.37	23498.71	26436.05	29373.39	32310.73	35248.07	38185.41	41122.74	44060.08
16D	0	0	16	32	48	64	80	96	112	128	144	160	176	192	208	224
	0.00	0.00	3133.16	6266.32	9399.48	12532.64	15665.80	18798.97	21932.13	25065.29	28198.45	31331.61	34464.78	37597.94	40731.10	43864.26

**Note 1:** D: data disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives of drives in the maximum configuration when RKAKs are connected to the RKS/RKES.

**Table 8-10: RAID 0 Flash Drive Capacities (200 GB) 2 of 2**

Drive capacity	195.82 GB																
Unit	RKAK																
Range	15																
Unit	RKAK/RKAKD (Note2)																
Range	16 (Note2)	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range of drives	240 (max) (Note3)	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (max) (Note4)
2D (Note1)	240 46997.42	254 49738.94	270 52872.10	284 55613.62	300 58746.78	314 61488.30	330 64621.46	344 67362.98	360 70496.14	374 73237.65	390 76370.82	404 79112.33	420 82245.49	434 84987.01	450 88120.17	464 90861.69	480 93994.85
3D	240 46997.42	255 49934.76	270 52872.10	285 55809.44	300 58746.78	315 61684.12	330 64621.46	345 67558.80	360 70496.14	375 73433.48	390 76370.82	405 79308.15	420 82245.49	435 85182.83	450 88120.17	465 91057.51	480 93994.85
4D	240 46997.42	252 49347.29	268 52480.46	284 55613.62	300 58746.78	312 61096.65	328 64229.81	344 67362.98	360 70496.14	372 72846.01	388 75979.17	404 79112.33	420 82245.49	432 84595.37	448 87728.53	464 90861.69	480 93994.85
5D	240 46997.42	255 49934.76	270 52872.10	285 55809.44	300 58746.78	315 61684.12	330 64621.46	345 67558.80	360 70496.14	375 73433.48	390 76370.82	405 79308.15	420 82245.49	435 85182.83	450 88120.17	465 91057.51	480 93994.85
6D	240 46997.42	252 49347.29	270 52872.10	282 55221.97	300 58746.78	312 61096.65	330 64621.46	342 66971.33	360 70496.14	372 72846.01	390 76370.82	402 78720.69	420 82245.49	432 84595.37	450 88120.17	462 90470.04	480 93994.85
7D	238 46605.78	252 49347.29	266 52088.81	280 54830.33	294 57571.84	315 61684.12	329 64425.64	343 67167.15	357 69908.67	371 72650.19	385 75391.70	399 78133.22	420 82245.49	434 84987.01	448 87728.53	462 90470.04	476 93211.56
8D	240 46997.42	248 48564.00	264 51697.17	280 54830.33	296 57963.49	312 61096.65	328 64229.81	344 67362.98	360 70496.14	368 72062.72	384 75195.88	400 78329.04	416 81462.20	432 84595.37	448 87728.53	464 90861.69	480 93994.85
9D	234 45822.49	252 49347.29	270 52872.10	279 54634.51	297 58159.31	315 61684.12	324 63446.52	342 66971.33	360 70496.14	369 72258.54	387 75783.35	405 79308.15	414 81070.56	432 84595.37	450 88120.17	459 89882.58	477 93407.38
10D	240 46997.42	250 48955.65	270 52872.10	280 54830.33	300 58746.78	310 60705.01	330 64621.46	340 66579.68	360 70496.14	370 72454.36	390 76370.82	400 78329.04	420 82245.49	430 84203.72	450 88120.17	460 90078.40	480 93994.85
11D	231 45235.02	253 49543.12	264 51697.17	275 53851.21	297 58159.31	308 60313.36	330 64621.46	341 66775.51	352 68929.56	374 73237.65	385 75391.70	396 77545.75	418 81853.85	429 84007.90	440 86161.95	462 90470.04	473 92624.09
12D	240 46997.42	252 49347.29	264 51697.17	276 54047.04	300 58746.78	312 61096.65	324 63446.52	336 65796.39	360 70496.14	372 72846.01	384 75195.88	396 77545.75	420 82245.49	432 84595.37	444 86945.24	456 89295.11	480 93994.85
13D	234 45822.49	247 48368.18	260 50913.88	273 53459.57	299 58550.96	312 61096.65	325 63642.35	338 66188.04	351 68733.73	364 71279.43	390 76370.82	403 78916.51	416 81462.20	429 84007.90	442 86553.59	455 89099.29	468 91644.98
14D	238 46605.78	252 49347.29	266 52088.81	280 54830.33	294 57571.84	308 60313.36	322 63054.88	336 65796.39	350 68537.91	364 71279.43	378 74020.94	392 76762.46	420 82245.49	434 84987.01	448 87728.53	462 90470.04	476 93211.56
15D	240 46997.42	255 49934.76	270 52872.10	285 55809.44	300 58746.78	315 61684.12	330 64621.46	345 67558.80	360 70496.14	375 73433.48	390 76370.82	405 79308.15	420 82245.49	435 85182.83	450 88120.17	465 91057.51	480 93994.85
16D	240 46997.42	240 46997.42	256 50130.58	272 53263.75	288 56396.91	304 59530.07	320 62663.23	336 65796.39	352 68929.56	368 72062.72	384 75195.88	400 78329.04	416 81462.20	432 84595.37	448 87728.53	464 90861.69	480 93994.85

**Note 1:** D: data disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKM/RKEM.

**Note 4:** Indicates the total range of drives in the maximum configuration when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

## RAID 1 flash drive capacities (200 GB)

Table 8-11: RAID 1 Flash Drive Capacities (200 GB) 1 of 2

Drive capacity	195.82 GB															
Unit	RKS/RKES/ RKM/RKEM		RKAK													
Range	1		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Unit	RKAK/RKAKD (Note2)															
Range	1 (Note2)		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Total Range of drives	Min.	15 (max)	30	45	60	75	90	105	120 (max) (Note3)	135	150	165	180	195	210	225
1D+1D (Note 1)	2	14	30	44	60	74	90	104	120	134	150	164	180	194	210	224
	195.82	1370.75	2937.33	4308.09	5874.67	7245.43	8812.01	10182.77	11749.35	13120.11	14686.69	16057.45	17624.03	18994.79	20561.37	21932.13

Table 8-12: RAID 1 Flash Drive Capacities (200 GB) 2 of 2

Drive capacity	195.82 GB																	
Unit	RKAK																	
Range	15																	
Unit	RKAK/RKAKD (Note2)																	
Range	16 (Note2)	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
Total Range of drives	240 (max) (Note4)	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (max) (Note5)	
1D+1D (Note 1)	240	254	270	284	300	314	330	344	360	374	390	404	420	434	450	464	480	
	23498.71	24869.47	26436.05	27806.81	29373.39	30744.15	32310.73	33681.49	35248.07	36618.82	38185.41	39556.16	41122.74	42493.50	44060.08	45430.84	46997.42	

**Note 1:** D: data disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range of drives in the maximum configuration when RKAKs are connected to a RKS/RKES.

**Note 4:** Indicates the total range of drives in the maximum configuration when RKAKs are connected to a RKM/RKHEM.

**Note 5:** Indicates the total range of drives in the maximum configuration when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

# RAID 5 flash drive capacities (200 GB)

**Table 8-13: RAID 5 Flash Drive Capacities (200 GB) 1 of 2**

Drive capacity	195.82 GB															
Unit	RKS/RKES/ RKM/RKEM	RKAK														
Range	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Unit	RKAK/RKAKD (Note2)															
Range	1 (Note2)		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Total Range of drives	Min.	15 (max)	30	45	60	75	90	105	120 (max) (Note3)	135	150	165	180	195	210	225
2D+1P (Note 1)	3 391.64	15 1958.22	30 3916.45	45 5874.67	60 7832.90	75 9791.13	90 11749.35	105 13707.58	120 15665.80	135 17624.03	150 19582.26	165 21540.48	180 23498.71	195 25456.94	210 27415.16	225 29373.39
3D+1P	4 587.46	12 1762.40	28 4112.27	44 6462.14	60 8812.01	72 10574.42	88 12924.29	104 15274.16	120 17624.03	132 19386.43	148 21736.31	164 24086.18	180 26436.05	192 28198.45	208 30548.32	224 32898.19
4D+1P	5 783.29	15 2349.87	30 4699.74	45 7049.61	60 9399.48	75 11749.35	90 14099.22	105 16449.09	120 18798.97	135 21148.84	150 23498.71	165 25848.58	180 28198.45	195 30548.32	210 32898.19	225 35248.07
5D+1P	6 979.11	12 1958.22	30 4895.56	42 6853.79	60 9791.13	72 11749.35	90 14686.69	102 16644.92	120 19582.26	132 21540.48	150 24477.82	162 26436.05	180 29373.39	192 31331.61	210 34268.95	222 36227.18
6D+1P	7 1174.93	14 2349.87	28 4699.74	42 7049.61	56 9399.48	70 11749.35	84 14099.22	105 17624.03	119 19973.90	133 22323.77	147 24673.64	161 27023.52	175 29373.39	189 31723.26	210 35248.07	224 37597.94
7D+1P	8 1370.75	8 1370.75	24 4112.27	40 6853.79	56 9595.30	72 12336.82	88 15078.34	104 17819.85	120 20561.37	128 21932.13	144 24673.64	160 27415.16	176 30156.68	192 32898.19	208 35639.71	224 38381.23
8D+1P	9 1566.58	9 1566.58	27 4699.74	45 7832.90	54 9399.48	72 12532.64	90 15665.80	99 17232.39	117 20365.55	135 23498.71	144 25065.29	162 28198.45	180 31331.61	189 32898.19	207 36031.36	225 39164.52
9D+1P	10 1762.40	10 1762.40	30 5287.21	40 7049.61	60 10574.42	70 12336.82	90 15861.63	100 17624.03	120 21148.84	130 22911.24	150 26436.05	160 28198.45	180 31723.26	190 33485.66	210 37010.47	220 38772.87
10D+1P	11 1958.22	11 1958.22	22 3916.45	44 7832.90	55 9791.13	66 11749.35	88 15665.80	99 17624.03	110 19582.26	132 23498.71	143 25456.94	165 29373.39	176 31331.61	187 33289.84	209 37206.29	220 39164.52
11D+1P	12 2154.04	12 2154.04	24 4308.09	36 6462.14	60 10770.24	72 12924.29	84 15078.34	96 17232.39	120 21540.48	132 23694.53	144 25848.58	156 28002.63	180 32310.73	192 34464.78	204 36618.82	216 38772.87
12D+1P	13 2349.87	13 2349.87	26 4699.74	39 7049.61	52 9399.48	65 11749.35	78 14099.22	104 18798.97	117 21148.84	130 23498.71	143 25848.58	156 28198.45	169 30548.32	195 35248.07	208 37597.94	221 39947.81
13D+1P	14 2545.69	14 2545.69	28 5091.38	42 7637.08	56 10182.77	70 12728.47	84 15274.16	98 17819.85	112 20365.55	126 22911.24	140 25456.94	154 28002.63	168 30548.32	182 33094.02	210 38185.41	224 40731.10
14D+1P	15 2741.51	15 2741.51	30 5483.03	45 8224.54	60 10966.06	75 13707.58	90 16449.09	105 19190.61	120 21932.13	135 24673.64	150 27415.16	165 30156.68	180 32898.19	195 35639.71	210 38381.23	225 41122.74
15D+1P	0 0.00	0 0.00	16 2937.33	32 5874.67	48 8812.01	64 11749.35	80 14686.69	96 17624.03	112 20561.37	128 23498.71	144 26436.05	160 29373.39	176 32310.73	192 35248.07	208 38185.41	224 41122.74

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

**Note 3:** Indicates the total range of drives in the maximum configuration when RKAKs are connected to a RKS/RKES.

**Table 8-14: RAID 5 Flash Drive Capacities (200 GB) 2 of 2**

Drive capacity	195.82 GB																
Unit	RKAK																
Range	15																
Unit	RKAK/RKAKD (Note2)																
Range	16 (Note2)	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range of drives	240 (max) (Note3)	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (max) (Note4)
2D+1P (Note1)	240 31331.61	255 33289.84	270 35248.07	285 37206.29	300 39164.52	315 41122.74	330 43080.97	345 45039.20	360 46997.42	375 48955.65	390 50913.88	405 52872.10	420 54830.33	435 56788.55	450 58746.78	465 60705.01	480 62663.23
3D+1P	240 35248.07	252 37010.47	268 39360.34	284 41710.21	300 44060.08	312 45822.49	328 48172.36	344 50522.23	360 52872.10	372 54634.51	388 56984.38	404 59334.25	420 61684.12	432 63446.52	448 65796.39	464 68146.27	480 70496.14
4D+1P	240 37597.94	255 39947.81	270 42297.68	285 44647.55	300 46997.42	315 49347.29	330 51697.17	345 54047.04	360 56396.91	375 58746.78	390 61096.65	405 63446.52	420 65796.39	435 68146.27	450 70496.14	465 72846.01	480 75195.88
5D+1P	240 39164.52	252 41122.74	270 44060.08	282 46018.31	300 48955.65	312 50913.88	330 53851.21	342 55809.44	360 58746.78	372 60705.01	390 63642.35	402 65600.57	420 68537.91	432 70496.14	450 73433.48	462 75391.70	480 78329.04
6D+1P	238 39947.81	252 42297.68	266 44647.55	280 46997.42	294 49347.29	315 52872.10	329 55221.97	343 57571.84	357 59921.72	371 62271.59	385 64621.46	399 66971.33	420 70496.14	434 72846.01	448 75195.88	462 77545.75	476 79895.62
7D+1P	240 41122.74	248 42493.50	264 45235.02	280 47976.54	296 50718.05	312 53459.57	328 56201.09	344 58942.60	360 61684.12	368 63054.88	384 65796.39	400 68537.91	416 71279.43	432 74020.94	448 76762.46	464 79503.98	480 82245.49
8D+1P	234 40731.10	252 43864.26	270 46997.42	279 48564.00	297 51697.17	315 54830.33	324 56396.91	342 59530.07	360 62663.23	369 64229.81	387 67362.98	405 70496.14	414 72062.72	432 75195.88	450 78329.04	459 79895.62	477 83028.78
9D+1P	240 42297.68	250 44060.08	270 47584.89	280 49347.29	300 52872.10	310 54634.51	330 58159.31	340 59921.72	360 63446.52	370 65208.93	390 68733.73	400 70496.14	420 74020.94	430 75783.35	450 79308.15	460 81070.56	480 84595.37
10D+1P	231 41122.74	253 45039.20	264 46997.42	275 48955.65	297 52872.10	308 54830.33	330 58746.78	341 60705.01	352 62663.23	374 66579.68	385 68537.91	396 70496.14	418 74412.59	429 76370.82	440 78329.04	462 82245.49	473 84203.72
11D+1P	240 43080.97	252 45235.02	264 47389.07	276 49543.12	300 53851.21	312 56005.26	324 58159.31	336 60313.36	360 64621.46	372 66775.51	384 68929.56	396 71083.60	420 75391.70	432 77545.75	444 79699.80	456 81853.85	480 86161.95
12D+1P	234 42297.68	247 44647.55	260 46997.42	273 49347.29	299 54047.04	312 56396.91	325 58746.78	338 61096.65	351 63446.52	364 65796.39	390 70496.14	403 72846.01	416 75195.88	429 77545.75	442 79895.62	455 82245.49	468 84595.37
13D+1P	238 43276.79	252 45822.49	266 48368.18	280 50913.88	294 53459.57	308 56005.26	322 58550.96	336 61096.65	350 63642.35	364 66188.04	378 68733.73	392 71279.43	420 76370.82	434 78916.51	448 81462.20	462 84007.90	476 86553.59
14D+1P	240 43864.26	255 46605.78	270 49347.29	285 52088.81	300 54830.33	315 57571.84	330 60313.36	345 63054.88	360 65796.39	375 68537.91	390 71279.43	405 74020.94	420 76762.46	435 79503.98	450 82245.49	465 84987.01	480 87728.53
15D+1P	240 44060.08	240 44060.08	256 46997.42	272 49934.76	288 52872.10	304 55809.44	320 58746.78	336 61684.12	352 64621.46	368 67558.80	384 70496.14	400 73433.48	416 76370.82	432 79308.15	448 82245.49	464 85182.83	480 88120.17

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

**Note 3:** Indicates the total range of drives in the maximum configuration when RKAKs are connected to a RKM/RKEM.

**Note 4:** Indicates the total range of drives in the maximum configuration when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

# RAID 6 flash drive capacities (200 GB)

**Table 8-15: RAID 6 Flash Drive Capacities (200 GB) 1 of 2**

Drive capacity	195.82 GB															
Unit	RKS/RKES/RKM/RKEM		RKAK													
Range	1		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Unit	RKAK/RKAKD (Note2)															
Range	1 (Note2)		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Total Range of drives	Min.	15 (max)	30	45	60	75	90	105	120 (max) (Note3)	135	150	165	180	195	210	225
	2D+2P (Note 1)	4	12	28	44	60	72	88	104	120	132	148	164	180	192	208
	391.64	1174.93	2741.51	4308.09	5874.67	7049.61	8616.19	10182.77	11749.35	12924.29	14490.87	16057.45	17624.03	18798.97	20365.55	21932.13
3D+2P	5	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
	587.46	1762.40	3524.80	5287.21	7049.61	8812.01	10574.42	12336.82	14099.22	15861.63	17624.03	19386.43	21148.84	22911.24	24673.64	26436.05
4D+2P	6	12	30	42	60	72	90	102	120	132	150	162	180	192	210	222
	783.29	1566.58	3916.45	5483.03	7832.90	9399.48	11749.35	13315.93	15665.80	17232.39	19582.26	21148.84	23498.71	25065.29	27415.16	28981.74
5D+2P	7	14	28	42	56	70	84	105	119	133	147	161	175	189	210	224
	979.11	1958.22	3916.45	5874.67	7832.90	9791.13	11749.35	14686.69	16644.92	18603.14	20561.37	22519.60	24477.82	26436.05	29373.39	31331.61
6D+2P	8	8	24	40	56	72	88	104	120	128	144	160	176	192	208	224
	1174.93	1174.93	3524.80	5874.67	8224.54	10574.42	12924.29	15274.16	17624.03	18798.97	21148.84	23498.71	25848.58	28198.45	30548.32	32898.19
7D+2P	9	9	27	45	54	72	90	99	117	135	144	162	180	189	207	225
	1370.75	1370.75	4112.27	6853.79	8224.54	10966.06	13707.58	15078.34	17819.85	20561.37	21932.13	24673.64	27415.16	28785.92	31527.44	34268.95
8D+2P	10	10	30	40	60	70	90	100	120	130	150	160	180	190	210	220
	1566.58	1566.58	4699.74	6266.32	9399.48	10966.06	14099.22	15665.80	18798.97	20365.55	23498.71	25065.29	28198.45	29765.03	32898.19	34464.78
9D+2P	11	11	22	44	55	66	88	99	110	132	143	165	176	187	209	220
	1762.40	1762.40	3524.80	7049.61	8812.01	10574.42	14099.22	15861.63	17624.03	21148.84	22911.24	26436.05	28198.45	29960.86	33485.66	35248.07
10D+2P	12	12	24	36	60	72	84	96	120	132	144	156	180	192	204	216
	1958.22	1958.22	3916.45	5874.67	9791.13	11749.35	13707.58	15665.80	19582.26	21540.48	23498.71	25456.94	29373.39	31331.61	33289.84	35248.07
11D+2P	13	13	26	39	52	65	78	104	117	130	143	156	169	195	208	221
	2154.04	2154.04	4308.09	6462.14	8616.19	10770.24	12924.29	17232.39	19386.43	21540.48	23694.53	25848.58	28002.63	32310.73	34464.78	36618.82
12D+2P	14	14	28	42	56	70	84	98	112	126	140	154	168	182	210	224
	2349.87	2349.87	4699.74	7049.61	9399.48	11749.35	14099.22	16449.09	18798.97	21148.84	23498.71	25848.58	28198.45	30548.32	35248.07	37597.94
13D+2P	15	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
	2545.69	2545.69	5091.38	7637.08	10182.77	12728.47	15274.16	17819.85	20365.55	22911.24	25456.94	28002.63	30548.32	33094.02	35639.71	38185.41
14D+2P	0	0	16	32	48	64	80	96	112	128	144	160	176	192	208	224
	0.00	0.00	2741.51	5483.03	8224.54	10966.06	13707.58	16449.09	19190.61	21932.13	24673.64	27415.16	30156.68	32898.19	35639.71	38381.23
15D+2P	0	0	17	34	51	68	85	102	119	119	136	153	170	187	204	221
	0.00	0.00	2937.33	5874.67	8812.01	11749.35	14686.69	17624.03	20561.37	20561.37	23498.71	26436.05	29373.39	32310.73	35248.07	38185.41
16D+2P	0	0	18	36	54	72	90	90	108	126	144	162	180	180	198	216
	0.00	0.00	3133.16	6266.32	9399.48	12532.64	15665.80	15665.80	18798.97	21932.13	25065.29	28198.45	31331.61	31331.61	34464.78	37597.94
17D+2P	0	0	19	38	57	76	95	95	114	133	133	152	171	190	209	209
	0.00	0.00	3328.98	6657.96	9986.95	9986.95	13315.93	16644.92	19973.90	23302.89	23302.89	26631.87	29960.86	33289.84	36618.82	36618.82
18D+2P	0	0	20	40	60	60	80	100	120	130	140	160	180	180	200	220
	0.00	0.00	3524.80	7049.61	10574.42	10574.42	14099.22	17624.03	21148.84	21148.84	24673.64	28198.45	31723.26	31723.26	35248.07	38772.87
19D+2P	0	0	21	42	42	63	84	105	105	126	147	147	168	189	210	210
	0.00	0.00	3720.62	7441.25	7441.25	11161.88	14882.51	18603.14	18603.14	22323.77	26044.40	26044.40	29765.03	33485.66	37206.29	37206.29
20D+2P	0	0	22	44	44	66	88	88	110	132	132	154	176	176	198	220
	0.00	0.00	3916.45	7832.90	7832.90	11749.35	15665.80	15665.80	19582.26	23498.71	23498.71	27415.16	31331.61	31331.61	35248.07	39164.52
21D+2P	0	0	23	23	46	69	69	92	115	115	138	161	161	184	207	207
	0.00	0.00	4112.27	4112.27	8224.54	12336.82	12336.82	16449.09	20561.37	20561.37	24673.64	28785.92	28785.92	32898.19	37010.47	37010.47
22D+2P	0	0	24	24	48	72	72	96	120	120	144	144	168	192	192	216
	0.00	0.00	4308.09	4308.09	8616.19	12924.29	12924.29	17232.39	21540.48	21540.48	25848.58	25848.58	30156.68	34464.78	34464.78	38772.87
23D+2P	0	0	25	25	50	75	75	100	100	125	150	150	175	175	200	225
	0.00	0.00	4503.92	4503.92	9007.84	13511.76	13511.76	18015.68	18015.68	22519.60	27023.52	27023.52	31527.44	31527.44	36031.36	40535.28
24D+2P	0	0	26	26	52	52	78	104	104	130	130	156	156	182	208	208
	0.00	0.00	4699.74	4699.74	9399.48	9399.48	14099.22	18798.97	18798.97	23498.71	23498.71	28198.45	28198.45	32898.19	37597.94	37597.94

**Table 8-15: RAID 6 Flash Drive Capacities (200 GB) 1 of 2 (Continued)**

Drive capacity	195.82 GB															
25D+2P	0	0	27	27	54	54	81	81	108	135	135	162	162	189	189	216
	0.00	0.00	4895.56	4895.56	9791.13	9791.13	14686.69	14686.69	19582.26	24477.82	24477.82	29373.39	29373.39	34268.95	34268.95	39164.52
26D+2P	0	0	28	28	56	56	84	84	112	112	140	140	168	168	196	224
	0.00	0.00	5091.38	5091.38	10182.77	10182.77	15274.16	15274.16	20365.55	20365.55	25456.94	25456.94	30548.32	30548.32	35639.71	40731.10
27D+2P	0	0	29	29	58	58	87	87	116	116	145	145	174	174	203	203
	0.00	0.00	5287.21	5287.21	10574.42	10574.42	15861.63	15861.63	21148.84	21148.84	26436.05	26436.05	31723.26	31723.26	37010.47	37010.47
28D+2P	0	0	30	30	60	60	90	90	120	120	150	150	180	180	210	210
	0.00	0.00	5483.03	5483.03	10966.06	10966.06	16449.09	16449.09	21932.13	21932.13	27415.16	27415.16	32898.19	32898.19	38381.23	38381.23

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

**Note 3:** Indicates the total range of drives in the maximum configuration when RKAKs are connected to a RKS/RKES.

**Table 8-16: RAID 6 Flash Drive Capacities (200 GB) 2 of 2**

Drive capacity	195.82 GB																
Unit	RKAK																
Range	15																
Unit	RKAK/RKAKD (Note2)																
Range	16 (Note2)	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range of drives	240 (max) (Note3)	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (max) (Note4)
2D+2P (Note1)	240	252	268	284	300	312	328	344	360	372	388	404	420	432	448	464	480
	23498.71	24673.64	26240.23	27806.81	29373.39	30548.32	32114.90	33681.49	35248.07	36423.00	37989.58	39556.16	41122.74	42297.68	43864.26	45430.84	46997.42
3D+2P	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480
	28198.45	29960.86	31723.26	33485.66	35248.07	37010.47	38772.87	40535.28	42297.68	44060.08	45822.49	47584.89	49347.29	51109.70	52872.10	54634.51	56396.91
4D+2P	240	252	270	282	300	312	330	342	360	372	390	402	420	432	450	462	480
	31331.61	32898.19	35248.07	36814.65	39164.52	40731.10	43080.97	44647.55	46997.42	48564.00	50913.88	52480.46	54830.33	56396.91	58746.78	60313.36	62663.23
5D+2P	238	252	266	280	294	315	329	343	357	371	385	399	420	434	448	462	476
	33289.84	35248.07	37206.29	39164.52	41122.74	44060.08	46018.31	47976.54	49934.76	51892.99	53851.21	55809.44	58746.78	60705.01	62663.23	64621.46	66579.68
6D+2P	240	248	264	280	296	312	328	344	360	368	384	400	416	432	448	464	480
	35248.07	36423.00	38772.87	41122.74	43472.62	45822.49	48172.36	50522.23	52872.10	54047.04	56396.91	58746.78	61096.65	63446.52	65796.39	68146.27	70496.14
7D+2P	234	252	270	279	297	315	324	342	360	369	387	405	414	432	450	459	477
	35639.71	38381.23	41122.74	42493.50	45235.02	47976.54	49347.29	52088.81	54830.33	56201.09	58942.60	61684.12	63054.88	65796.39	68537.91	69908.67	72650.19
8D+2P	240	250	270	280	300	310	330	340	360	370	390	400	420	430	450	460	480
	37597.94	39164.52	42297.68	43864.26	46997.42	48564.00	51697.17	53263.75	56396.91	57963.49	61096.65	62663.23	65796.39	67362.98	70496.14	72062.72	75195.88
9D+2P	231	253	264	275	297	308	330	341	352	374	385	396	418	429	440	462	473
	37010.47	40535.28	42297.68	44060.08	47584.89	49347.29	52872.10	54634.51	56396.91	59921.72	61684.12	63446.52	66971.33	68733.73	70496.14	74020.94	75783.35
10D+2P	240	252	264	276	300	312	324	336	360	372	384	396	420	432	444	456	480
	39164.52	41122.74	43080.97	45039.20	48955.65	50913.88	52872.10	54830.33	58746.78	60705.01	62663.23	64621.46	68537.91	70496.14	72454.36	74412.59	78329.04
11D+2P	234	247	260	273	299	312	325	338	351	364	390	403	416	429	442	455	468
	38772.87	40926.92	43080.97	45235.02	49543.12	51697.17	53851.21	56005.26	58159.31	60313.36	64621.46	66775.51	68929.56	71083.60	73237.65	75391.70	77545.75
12D+2P	238	252	266	280	294	308	322	336	350	364	378	392	420	434	448	462	476
	39947.81	42297.68	44647.55	46997.42	49347.29	51697.17	54047.04	56396.91	58746.78	61096.65	63446.52	65796.39	70496.14	72846.01	75195.88	77545.75	79895.62
13D+2P	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480
	40731.10	43276.79	45822.49	48368.18	50913.88	53459.57	56005.26	58550.96	61096.65	63642.35	66188.04	68733.73	71279.43	73825.12	76370.82	78916.51	81462.20
14D+2P	240	240	256	272	288	304	320	336	352	368	384	400	416	432	448	464	480
	41122.74	41122.74	43864.26	46605.78	49347.29	52088.81	54830.33	57571.84	60313.36	63054.88	65796.39	68537.91	71279.43	74020.94	76762.46	79503.98	82245.49
15D+2P	238	255	255	272	289	306	323	340	357	374	391	391	408	425	442	459	476
	41122.74	44060.08	44060.08	46997.42	49934.76	52872.10	55809.44	58746.78	61684.12	64621.46	64621.46	64621.46	67558.80	70496.14	73433.48	76370.82	79308.15
16D+2P	234	252	270	270	288	306	324	342	360	360	378	396	414	432	450	450	468
	40731.10	43864.26	46997.42	46997.42	50130.58	53263.75	56396.91	59530.07	62663.23	62663.23	65796.39	68929.56	72062.72	75195.88	78329.04	78329.04	81462.20

**Table 8-16: RAID 6 Flash Drive Capacities (200 GB) 2 of 2 (Continued)**

Drive capacity	195.82 GB																
17D+2P	228	247	266	285	285	304	323	342	342	361	380	399	418	418	437	456	475
	39947.81	43276.79	46605.78	49934.76	49934.76	53263.75	56592.73	59921.72	59921.72	63250.70	66579.68	69908.67	73237.65	73237.65	76566.64	79895.62	83224.61
18D+2P	240	240	260	280	300	300	320	340	360	360	380	400	420	420	440	460	480
	42297.68	42297.68	45822.49	49347.29	52872.10	52872.10	56396.91	59921.72	63446.52	63446.52	66971.33	70496.14	74020.94	74020.94	77545.75	81070.56	84595.37
19D+2P	231	252	252	273	294	315	315	336	357	357	378	399	420	420	441	462	462
	40926.92	44647.55	44647.55	48368.18	52088.81	55809.44	55809.44	59530.07	63250.70	63250.70	66971.33	70691.96	74412.59	74412.59	78133.22	81853.85	81853.85
20D+2P	220	242	264	264	286	308	330	330	352	374	374	396	418	418	440	462	462
	39164.52	43080.97	46997.42	46997.42	50913.88	54830.33	58746.78	58746.78	62663.23	66579.68	66579.68	70496.14	74412.59	74412.59	78329.04	82245.49	82245.49
21D+2P	230	253	253	276	299	299	322	345	345	368	368	391	414	414	437	460	460
	41122.74	45235.02	45235.02	49347.29	53459.57	53459.57	57571.84	61684.12	61684.12	65796.39	65796.39	69908.67	74020.94	74020.94	78133.22	82245.49	82245.49
22D+2P	240	240	264	264	288	312	312	336	360	360	384	384	408	432	432	456	480
	43080.97	43080.97	47389.07	47389.07	51697.17	56005.26	56005.26	60313.36	64621.46	64621.46	68929.56	68929.56	73237.65	77545.75	77545.75	81853.85	86161.95
23D+2P	225	250	250	275	300	300	325	325	350	375	375	400	400	425	450	450	475
	40535.28	45039.20	45039.20	49543.12	54047.04	54047.04	58550.96	58550.96	63054.88	67558.80	67558.80	72062.72	72062.72	76566.64	81070.56	81070.56	85574.48
24D+2P	234	234	260	260	286	312	312	338	338	364	390	390	416	416	442	442	468
	42297.68	42297.68	46997.42	46997.42	51697.17	56396.91	56396.91	61096.65	61096.65	65796.39	70496.14	70496.14	75195.88	75195.88	79895.62	79895.62	84595.37
25D+2P	216	243	270	270	297	297	324	324	351	351	378	405	405	432	432	459	459
	39164.52	44060.08	48955.65	48955.65	53851.21	53851.21	58746.78	58746.78	63642.35	63642.35	68537.91	73433.48	73433.48	78329.04	78329.04	83224.61	83224.61
26D+2P	224	252	252	280	280	308	308	336	336	364	364	392	420	420	448	448	476
	40731.10	45822.49	45822.49	50913.88	50913.88	56005.26	56005.26	61096.65	61096.65	66188.04	66188.04	71279.43	76370.82	76370.82	81462.20	81462.20	86553.59
27D+2P	232	232	261	261	290	290	319	319	348	348	377	377	406	435	435	464	464
	42297.68	42297.68	47584.89	47584.89	52872.10	52872.10	58159.31	58159.31	63446.52	63446.52	68733.73	68733.73	74020.94	79308.15	79308.15	84595.37	84595.37
28D+2P	240	240	270	270	300	300	330	330	360	360	390	390	420	420	450	450	480
	43864.26	43864.26	49347.29	49347.29	54830.33	54830.33	60313.36	60313.36	65796.39	65796.39	71279.43	71279.43	76762.46	76762.46	82245.49	82245.49	87728.53

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

**Note 3:** Indicates the total range of drives in the maximum configuration when RKAKs are connected to a RKM/RKEM.

**Note 4:** Indicates the total range of drives in the maximum configuration when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

## RAID 1+0 Flash Drive capacities (200 GB)

**Table 8-17: RAID 1+0 FFs Capacities (200 GB) 1 of 2**

Drive capacity	195.82 GB																
	Unit		RKAK														
Range	1		1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Unit	RKAK/RKAKD (Note2)																
Range	1 (Note2)		2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Total Range of drives	Min.	15 (max)	30	45	60	75	90	105	120 (max) (Note3)	135	150	165	180	195	210	225	
	2D+2D (Note 1)	4	12	28	44	60	72	88	104	120	132	148	164	180	192	208	224
391.64		1174.93	2741.51	4308.09	5874.67	7049.61	8616.19	10182.77	11749.35	12924.29	14490.87	16057.45	17624.03	18798.97	20365.55	21932.13	
3D+3D	6	12	30	42	60	72	90	102	120	132	150	162	180	192	210	222	
	587.46	1174.93	2937.33	4112.27	5874.67	7049.61	8812.01	9986.95	11749.35	12924.29	14686.69	15861.63	17624.03	18798.97	20561.37	21736.31	
4D+4D	8	8	24	40	56	72	88	104	120	128	144	160	176	192	208	224	
	783.29	783.29	2349.87	3916.45	5483.03	7049.61	8616.19	10182.77	11749.35	12532.64	14099.22	15665.80	17232.39	18798.97	20365.55	21932.13	
5D+5D	10	10	30	40	60	70	90	100	120	130	150	160	180	190	210	220	
	979.11	979.11	2937.33	3916.45	5874.67	6853.79	8812.01	9791.13	11749.35	12728.47	14686.69	15665.80	17624.03	18603.14	20561.37	21540.48	
6D+6D	12	12	24	36	60	72	84	96	120	132	144	156	180	192	204	216	
	1174.93	1174.93	2349.87	3524.80	5874.67	7049.61	8224.54	9399.48	11749.35	12924.29	14099.22	15274.16	17624.03	18798.97	19973.90	21148.84	

**Table 8-17: RAID 1+0 FFs Capacities (200 GB) 1 of 2 (Continued)**

Drive capacity	195.82 GB															
7D+7D	14	14	28	42	56	70	84	98	112	126	140	154	168	182	210	224
	1370.75	1370.75	2741.51	4112.27	5483.03	6853.79	8224.54	9595.30	10966.06	12336.82	13707.58	15078.34	16449.09	17819.85	20561.37	21932.13
8D+8D	0	0	16	32	48	64	80	96	112	128	144	160	176	192	208	224
	0.00	0.00	1566.58	3133.16	4699.74	6266.32	7832.90	9399.48	10966.06	12532.64	14099.22	15665.80	17232.39	18798.97	20365.55	21932.13

**Table 8-18: RAID 1+0 Flash Drive Capacities (200 GB) 2 of 2**

Drive capacity	195.82 GB																
Unit	RKAK																
Range	15																
Unit	RKAK/RKAKD (Note2)																
Range	16 (Note2)	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range of drives	240 (max) (Note4)	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (max) (Note5)
2D+2D (Note1)	240 23498.71	252 24673.64	268 26240.23	284 27806.81	300 29373.39	312 30548.32	328 32114.90	344 33681.49	360 35248.07	372 36423.00	388 37989.58	404 39556.16	420 41122.74	432 42297.68	448 43864.26	464 45430.84	480 46997.42
3D+3D	240 23498.71	252 24673.64	270 26436.05	282 27610.98	300 29373.39	312 30548.32	330 32310.73	342 33485.66	360 35248.07	372 36423.00	390 38185.41	402 39360.34	420 41122.74	432 42297.68	450 44060.08	462 45235.02	480 46997.42
4D+4D	240 23498.71	248 24282.00	264 25848.58	280 27415.16	296 28981.74	312 30548.32	328 32114.90	344 33681.49	360 35248.07	368 36031.36	384 37597.94	400 39164.52	416 40731.10	432 42297.68	448 43864.26	464 45430.84	480 46997.42
5D+5D	240 23498.71	250 24477.82	270 26436.05	280 27415.16	300 29373.39	310 30352.50	330 32310.73	340 33289.84	360 35248.07	370 36227.18	390 38185.41	400 39164.52	420 41122.74	430 42101.86	450 44060.08	460 45039.20	480 46997.42
6D+6D	240 23498.71	252 24673.64	264 25848.58	276 27023.52	300 29373.39	312 30548.32	324 31723.26	336 32898.19	360 35248.07	372 36423.00	384 37597.94	396 38772.87	420 41122.74	432 42297.68	444 43472.62	456 44647.55	480 46997.42
7D+7D	238 23302.89	252 24673.64	266 26044.40	280 27415.16	294 28785.92	308 30156.68	322 31527.44	336 32898.19	350 34268.95	364 35639.71	378 37010.47	392 38381.23	420 41122.74	434 42493.50	448 43864.26	462 45235.02	476 46605.78
8D+8D	240 23498.71	240 23498.71	256 25065.29	272 26631.87	288 28198.45	304 29765.03	320 31331.61	336 32898.19	352 34464.78	368 36031.36	384 37597.94	400 39164.52	416 40731.10	432 42297.68	448 43864.26	464 45430.84	480 46997.42

**Note 1:** D: data disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

**Note 3:** Indicates the total range of drives in the maximum configuration when RKAKs are connected to a RKS/RKES.

**Note 4:** Indicates the total range of drives in the maximum configuration when RKAKs are connected to a RKM/RKEM.

**Note 5:** Indicates the total range of drives in the maximum configuration when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

# RAID 0 SAS disk drive capacities (300 GB)

Table 8-19: RAID 0 SAS Disk Drive Capacities (300 GB)

Disk capacity	287.62 G bytes											
Component unit	RKS/ RKES/ RKM/ RKEM		RKAKS									
	1	2	3	4	5	6	7	8	9	10		
Range	1 (*2)		1	2	3	4	5	6	7	8	9	10
Total range of Disk drives	Min.	15 (Max)	39	63	87	111	135	159 (*3)(Max)	183	207	231 (*4) (Max)	255 (*5) (Max)
2D	2 575.25	14 4026.80	38 10929.88	62 17832.97	86 24736.05	110 31639.14	134 38542.23	158 45445.31	182 52348.40	206 59251.48	230 66154.57	254 73057.66
3D	3 862.88	15 4314.42	39 11217.51	63 18120.60	87 25023.68	111 31926.77	135 38829.85	159 45732.94	183 52636.03	207 59539.11	231 66442.20	255 73345.29
4D	4 1150.51	12 3451.54	36 10354.62	60 17257.71	84 24160.80	108 31063.88	132 37966.97	156 44870.06	180 51773.14	204 58676.23	228 65579.31	252 72482.40
5D	5 1438.14	15 4314.42	35 10067.00	60 17257.71	85 24448.43	110 31639.14	135 38829.85	155 44582.43	180 51773.14	205 58963.86	230 66154.57	255 73345.29
6D	6 1725.77	12 3451.54	36 10354.62	60 17257.71	84 24160.80	108 31063.88	132 37966.97	156 44870.06	180 51773.14	204 58676.23	228 65579.31	252 72482.40
7D	7 2013.40	14 4026.80	35 10067.00	63 18120.60	84 24160.80	105 30201.00	133 38254.60	154 44294.80	182 52348.40	203 58388.60	231 66442.20	252 72482.40
8D	8 2301.02	8 2301.02	32 9204.11	56 16107.20	80 23010.28	104 29913.37	128 36816.45	152 43719.54	176 50622.63	200 57525.71	224 64428.80	248 71331.89
9D	9 2588.65	9 2588.65	36 10354.62	60 18120.60	81 23297.91	108 31063.88	135 38829.85	153 44007.17	180 51773.14	207 59539.11	225 64716.43	252 72482.40
10D	10 2876.28	10 2876.28	30 8628.85	60 17257.71	80 23010.28	110 31639.14	130 37391.71	150 43144.28	180 51773.14	200 57525.71	230 66154.57	250 71907.14
11D	11 3163.91	11 3163.91	33 9491.74	55 15819.57	77 22147.40	110 31639.14	132 37966.97	154 44294.80	176 50622.63	198 56950.46	231 66442.20	253 72770.03
12D	12 3451.54	12 3451.54	36 10354.62	60 17257.71	84 24160.80	108 31063.88	132 37966.97	156 44870.06	180 51773.14	204 58676.23	228 65579.31	252 72482.40
13D	13 3739.17	13 3739.17	39 11217.51	63 14956.68	87 22435.03	111 29913.37	135 37391.71	159 44870.06	183 52348.40	207 56087.57	231 63565.91	255 71044.26
14D	14 4026.80	14 4026.80	28 8053.60	56 16107.20	84 24160.80	108 28187.60	126 36241.20	154 44294.80	182 52348.40	196 56375.20	224 64428.80	252 72482.40
15D	15 4314.42	15 4314.42	30 8628.85	60 17257.71	75 21572.14	105 30201.00	135 38829.85	150 43144.28	180 51773.14	195 56087.57	225 64716.43	255 73345.29
16D	0 0.00	0 0.00	32 9204.11	48 13806.17	80 23010.28	96 27612.34	128 36816.45	144 41418.51	176 50622.63	192 55224.68	224 64428.80	240 69030.86

\*1: D: data disk  
\*2: It indicates component unit and range when RKAKSs are connected to the RKS/RKES/RKM/RKEM  
\*3: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKS/RKES.  
\*4: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKM.  
\*5: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKEM.

**Note 1:** D: data disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKS/RKES.

# RAID 0 SAS Disk Drive Capacities (300 GB) for RKAKS

(3) In case of connecting RKH/RKHE/RKEH to RKAKS

n List of SAS Disk Drives Capacities Corresponding to 300 G bytes (RAID 0)

**Table 8-20: RAID 0 SAS Disk Drive Capacities (300 GB)**

Disk capacity	287.62 G bytes										
Component unit	RKAKS										
Range	1 (*2)		2	3	4	5	6	7	8	9	10
Total range of Disk drives	Min.	24 (Max)	48	72	96	120	144	168	192	216	240
2D (*1)	2	24	48	72	96	120	144	168	192	216	240
	575.25	6903.08	13806.17	20709.25	27612.34	34515.43	41418.51	48321.60	55224.68	62127.77	69030.86
3D	3	24	48	72	96	120	144	168	192	216	240
	862.88	6903.08	13806.17	20709.25	27612.34	34515.43	41418.51	48321.60	55224.68	62127.77	69030.86
4D	4	24	48	72	96	120	144	168	192	216	240
	1150.51	6903.08	13806.17	20709.25	27612.34	34515.43	41418.51	48321.60	55224.68	62127.77	69030.86
5D	5	20	45	70	95	120	140	165	190	215	240
	1438.14	5752.57	12943.28	20134.00	27324.71	34515.43	40268.00	47458.71	54649.43	61840.14	69030.86
6D	6	24	48	72	96	120	144	168	192	216	240
	1725.77	6903.08	13806.17	20709.25	27612.34	34515.43	41418.51	48321.60	55224.68	62127.77	69030.86
7D	7	21	42	70	91	119	140	168	189	210	238
	2013.40	6040.20	12080.40	20134.00	26174.20	34227.80	40268.00	48321.60	54361.80	60402.00	68455.60
8D	8	24	48	72	96	120	144	168	192	216	240
	2301.02	6903.08	13806.17	20709.25	27612.34	34515.43	41418.51	48321.60	55224.68	62127.77	69030.86
9D	9	18	45	72	90	117	144	162	189	216	234
	2588.65	5177.31	12943.28	20709.25	25886.57	33652.54	41418.51	46595.83	54361.80	62127.77	67305.09
10D	10	20	40	70	90	120	140	160	190	210	240
	2876.28	5752.57	11505.14	20134.00	25886.57	34515.43	40268.00	46020.57	54649.43	60402.00	69030.86
11D	11	22	44	66	88	110	143	165	187	209	231
	3163.91	6327.82	12655.65	18983.48	25311.31	31639.14	41130.88	47458.71	53786.54	60114.37	66442.20
12D	12	24	48	72	96	120	144	168	192	216	240
	3451.54	6903.08	13806.17	20709.25	27612.34	34515.43	41418.51	48321.60	55224.68	62127.77	69030.86
13D	13	13	39	65	91	117	143	156	182	208	234
	3739.17	3739.17	11217.51	18695.85	26174.20	33652.54	41130.88	44870.06	52348.40	59826.74	67305.09
14D	14	14	42	70	84	112	140	168	182	210	238
	4026.80	4026.80	12080.40	20134.00	24160.80	32214.40	40268.00	48321.60	52348.40	60402.00	68455.60
15D	15	15	45	60	90	120	135	165	180	210	240
	4314.42	4314.42	12943.28	17257.71	25886.57	34515.43	38829.85	47458.71	51773.14	60402.00	69030.86
16D	0	16	48	64	96	112	144	160	192	208	240
	0.00	4602.05	13806.17	18408.22	27612.34	32214.40	41418.51	46020.57	55224.68	59826.74	69030.86

\*1: D: data disk

\*2: It indicates RKAKSs range. The basic chassis is not included.

**Table 8-21: RAID 0 SAS Disk Drive Capacities (300 GB)**

Disk capacity	287.62 GB																
Unit	RKAK																
Range	15	16	17	18	19	20	21	22	23								
Unit	RKAK Note2																
Range	16 Note2	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range	240 (Max) Note3	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (Max) Note4
2D	240	254	270	284	300	314	330	344	360	374	390	404	420	434	450	464	480
Note1	69030.86	73057.66	77659.71	81686.51	86288.57	90315.37	94917.43	98944.23	103546.29	107573.09	112175.15	116201.95	120804.00	124830.80	129432.86	133459.66	138061.72
3D	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480
	69030.86	73345.29	77659.71	81974.14	86288.57	90603.00	94917.43	99231.86	103546.29	107860.72	112175.15	116489.57	120804.00	125118.43	129432.86	133747.29	138061.72
4D	240	252	268	284	300	312	328	344	360	372	388	404	420	432	448	464	480
	69030.86	72482.40	77084.46	81686.51	86288.57	89740.12	94342.17	98944.23	103546.29	106997.83	111599.89	116201.95	120804.00	124255.55	128857.60	133459.66	138061.72
5D	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480
	69030.86	73345.29	77659.71	81974.14	86288.57	90603.00	94917.43	99231.86	103546.29	107860.72	112175.15	116489.57	120804.00	125118.43	129432.86	133747.29	138061.72
6D	240	252	270	282	300	312	330	342	360	372	390	402	420	432	450	462	480
	69030.86	72482.40	77659.71	81111.26	86288.57	89740.12	94917.43	98368.97	103546.29	106997.83	112175.15	115626.69	120804.00	124255.55	129432.86	132884.40	138061.72
7D	238	252	266	280	294	315	329	343	357	371	385	399	420	434	448	462	476
	68455.60	72482.40	76509.20	80536.00	84562.80	90603.00	94629.80	98656.60	102683.40	106710.20	110737.00	114763.80	120804.00	124830.80	128857.60	132884.40	136911.20
8D	240	248	264	280	296	312	328	344	360	368	384	400	416	432	448	464	480
	69030.86	71331.89	75933.94	80536.00	85138.06	89740.12	94342.17	98944.23	103546.29	105847.32	110449.37	115051.43	119653.49	124255.55	128857.60	133459.66	138061.72
9D	234	252	270	279	297	315	324	342	360	369	387	405	414	432	450	459	477
	67305.09	72482.40	77659.71	80248.37	85425.69	90603.00	93191.66	98368.97	103546.29	106134.95	111312.26	116489.57	119078.23	124255.55	129432.86	132021.52	137198.83
10D	240	250	270	280	300	310	330	340	360	370	390	400	420	430	450	460	480
	69030.86	71907.14	77659.71	80536.00	86288.57	89164.86	94917.43	97793.72	103546.29	106422.57	112175.15	115051.43	120804.00	123680.29	129432.86	132309.15	138061.72
11D	231	253	264	275	297	308	330	341	352	374	385	396	418	429	440	462	473
	66442.20	72770.03	75933.94	79097.86	85425.69	88589.60	94917.43	98081.34	101245.26	107573.09	110737.00	113900.92	120228.75	123392.66	126556.58	132884.40	136048.32
12D	240	252	264	276	300	312	324	336	360	372	384	396	420	432	444	456	480
	69030.86	72482.40	75933.94	79385.49	86288.57	89740.12	93191.66	96643.20	103546.29	106997.83	110449.37	113900.92	120804.00	124255.55	127707.09	131158.63	138061.72
13D	234	247	260	273	299	312	325	338	351	364	390	403	416	429	442	455	468
	67305.09	71044.26	74783.43	78522.60	86000.94	89740.12	93479.29	97218.46	100957.63	104696.80	112175.15	115914.32	119653.49	123392.66	127131.83	130871.00	134610.18
14D	238	252	266	280	294	308	322	336	350	364	378	392	420	434	448	462	476
	68455.60	72482.40	76509.20	80536.00	84562.80	88589.60	92616.40	96643.20	100670.00	104696.80	108723.60	112750.40	120804.00	124830.80	128857.60	132884.40	136911.20
15D	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480
	69030.86	73345.29	77659.71	81974.14	86288.57	90603.00	94917.43	99231.86	103546.29	107860.72	112175.15	116489.57	120804.00	125118.43	129432.86	133747.29	138061.72
16D	240	240	256	272	288	304	320	336	352	368	384	400	416	432	448	464	480
	69030.86	69030.86	73632.91	78234.97	82837.03	87439.09	92041.14	96643.20	101245.26	105847.32	110449.37	115051.43	119653.49	124255.55	128857.60	133459.66	138061.72

**Note 1:** D: data unit.

**Note 2:** Indicates unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKM/RKEM.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

## RAID 1 SAS disk drive capacities (300 GB)

Table 8-22: RAID 1 SAS disk drive capacities (300 GB)

Disk capacity	287.62 G bytes											
Component unit	RKS/RKEM/RKM/RKEM	RKAKS										
Range	1 (*2)											
Total range of Disk drives	Min.	15 (Max)	39	63	87	111	135	159 (*3)(Max)	183	207	231 (*4)(Max)	255 (*5)(Max)
TD+TD (*1)	2	14	38	62	86	110	134	158	182	206	230	254
	287.62	2013.40	5464.94	8916.48	12368.02	15819.57	19271.11	22722.65	26174.20	29625.74	33077.28	36528.83

\*1: D: data disk  
 \*2: It indicates component unit and range when RKAKSs are connected to the RKS/RKES/RKM/RKEM  
 \*3: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKS/RKES.  
 \*4: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKM.  
 \*5: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKEM.

## RAID 1 SAS disk drive capacities (300 GB) for RKAKS

Table 8-23: RAID 1 SAS disk drive capacities (300 GB) for RKAKS

Disk capacity	287.62 G bytes											
Component unit	RKAKS											
Range	1 (*2)											
Total range of Disk drives	Min.	24 (Max)	48	72	96	120	144	168	192	216	240	
TD+TD (*1)	2	24	48	72	96	120	144	168	192	216	240	
	287.62	3451.54	6903.08	10354.62	13806.17	17257.71	20709.25	24160.80	27612.34	31063.88	34515.43	

Disk capacity	287.62 G bytes										
Component unit	RKAKS										
Range	11 (*2)	12	13	14	15	16	17	18	19	20	
Total range of Disk drives	264	288	312	336	360	384	408	432	456	480 (Max) (*3)	
TD+TD (*1)	264	288	312	336	360	384	408	432	456	480	
	37966.97	41418.51	44870.06	48321.60	51773.14	55224.68	58676.23	62127.77	65579.31	69030.86	

\*1: D: data disk  
 \*2: It indicates RKAKSs range. The basic chassis is not included.  
 \*3: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKH/RKHE/RKEH.

Table 8-24: RAID 1 SAS Disk Drive Capacities (300 GB)

Disk capacity	287.62 GB															
Unit	RKS/RKES/RKM/RKEM	RKAK														
Range	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Unit	RKAK/RKAKD Note2															
Range	1 Note2	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Total Range	Min.	15 (Max)	30	45	60	75	90	105	120 (Max) Note3	135	150	165	180	195	210	225

**Table 8-24: RAID 1 SAS Disk Drive Capacities (300 GB) (Continued)**

Disk capacity	287.62 GB																
1D+1D	2	14	30	44	60	74	90	104	120	134	150	164	180	194	210	224	
Note1	287.62	2013.40	4314.42	6327.82	8628.85	10642.25	12943.28	14956.68	17257.71	19271.11	21572.14	23585.54	25886.57	27899.97	30201.00	32214.40	
Unit	RKAK																
Range	15	16	17	18	19	20	21	22	23								
Unit	RKAK/ RKAKD Note2																
Range	16 Note2	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range	240 (Max) Note4	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (*5)
1D+1D	240	254	270	284	300	314	330	344	360	374	390	404	420	434	450	464	480
Note1	34515.43	36528.83	38829.85	40843.25	43144.28	45157.68	47458.71	49472.11	51773.14	53786.54	56087.57	58100.97	60402.00	62415.40	64716.43	66729.83	69030.86

- Note 1:** D: data disk.
- Note 2:** Indicates unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.
- Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKS/RKES.
- Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKM/RKEM.
- Note 5:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

## RAID 5 SAS disk drive capacities (300 GB)

**Table 8-25: RAID 5 SAS disk drive capacities (300 GB)**

Disk capacity	287.62 G bytes												
Component unit	RKS/ RKES/ RKM/ RKEM		RKAKS										
Range	1 (*2)		1	2	3	4	5	6	7	8	9	10	
Total range of Disk drives	Min.	15 (Max)	39	63	87	111	135	159 (*3)(Max)	183	207	231 (*4) (Max)	255 (*5) (Max)	
2D+1P (*1)	3 575.25	15 2876.28	39 7478.34	63 12080.40	87 16682.45	111 21284.51	135 25886.57	159 30488.63	183 35090.68	207 39692.74	231 44294.80	255 48896.86	
3D+1P	4 862.88	12 2588.65	36 7765.97	60 12943.28	84 18120.60	108 23297.91	132 28475.23	156 33652.54	180 38829.85	204 44007.17	228 49184.48	252 54361.80	
4D+1P	5 1150.51	15 3451.54	35 8053.60	60 13806.17	85 19558.74	110 25311.31	135 31063.88	155 35665.94	180 41418.51	205 47171.08	230 52923.66	255 58676.23	
5D+1P	6 1438.14	12 2876.28	36 8628.85	60 14381.42	84 20134.00	108 25886.57	132 31639.14	156 37391.71	180 43144.28	204 48896.86	228 54649.43	252 60402.00	
6D+1P	7 1725.77	14 3451.54	35 8628.85	63 15531.94	84 20709.25	105 25886.57	133 32789.65	154 37966.97	182 44870.06	203 50047.37	231 56950.46	252 62127.77	
7D+1P	8 2013.40	8 2013.40	32 8053.60	56 14093.80	80 20134.00	104 26174.20	128 32214.40	152 38254.60	176 44294.80	200 50335.00	224 56375.20	248 62415.40	
8D+1P	9 2301.02	9 2301.02	36 9204.11	63 16107.20	81 20709.25	108 27612.34	135 34515.43	153 39117.48	180 46020.57	207 52923.66	225 57525.71	252 64428.80	
9D+1P	10 2588.65	10 2588.65	30 7765.97	60 15531.94	80 20709.25	110 28475.23	130 33652.54	150 38829.85	180 46595.83	200 51773.14	230 59539.11	250 64716.43	
10D+1P	11 2876.28	11 2876.28	33 8628.85	63 14381.42	85 20134.00	110 28762.85	132 34515.43	154 40268.00	176 46020.57	198 51773.14	231 60402.00	253 66154.57	
11D+1P	12 3163.91	12 3163.91	36 9491.74	60 15819.57	84 22147.40	108 28475.23	132 34803.05	156 41130.88	180 47458.71	204 53786.54	228 60114.37	252 66442.20	
12D+1P	13 3451.54	13 3451.54	39 10354.62	63 13806.17	87 20709.25	111 27612.34	135 34515.43	159 41418.51	183 48321.60	207 51773.14	231 58676.23	255 65579.31	
13D+1P	14 3739.17	14 3739.17	28 7478.34	56 14956.68	84 22435.03	108 26174.20	126 33652.54	154 41130.88	182 48609.23	196 52348.40	224 59826.74	252 67305.09	
14D+1P	15 4026.80	15 4026.80	30 8053.60	60 16107.20	80 20134.00	105 28187.60	135 36241.20	150 40268.00	180 48321.60	195 52348.40	225 60402.00	255 68455.60	

T5D+1P	0	0	32	48	80	96	128	144	176	192	224	240
*1	0.00	0.00	8628.85	12943.28	21572.14	25886.57	34515.43	38829.85	47458.71	51773.14	60402.00	64716.43

\*1: D: data disk

\*2: It indicates component unit and range when RKAKSs are connected to the RKS/RKES/RKM/RKEM

\*3: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKS/RKES.

\*4: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKM.

\*5: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKEM.

# RAID 5 SAS disk drive capacities (300 GB) for RKAAS

Table 8-26: RAID 5 SAS disk drive capacities (300 GB) for RKAAS

Disk capacity	287.62 G bytes										
Component unit	RKAAS										
Range	1 (*2)		2	3	4	5	6	7	8	9	10
Total range of Disk drives	Min.	24 (Max)	48	72	96	120	144	168	192	216	240
2D+1P (*1)	3 575.25	24 4602.05	48 9204.11	72 13806.17	96 18408.22	120 23010.28	144 27612.34	168 32214.40	192 36816.45	216 41418.51	240 46020.57
3D+1P	4 862.88	24 5177.31	48 10354.62	72 15531.94	96 20709.25	120 25886.57	144 31063.88	168 36241.20	192 41418.51	216 46595.83	240 51773.14
4D+1P	5 1150.51	20 4602.05	45 10354.62	70 16107.20	95 21859.77	120 27612.34	140 32214.40	165 37966.97	190 43719.54	215 49472.11	240 55224.68
5D+1P	6 1438.14	24 5752.57	48 11505.14	72 17257.71	96 23010.28	120 28762.85	144 34515.43	168 40268.00	192 46020.57	216 51773.14	240 57525.71
6D+1P	7 1725.77	21 5177.31	42 10354.62	70 17257.71	91 22435.03	119 29338.11	140 34515.43	168 41418.51	189 46595.83	210 51773.14	238 58676.23
7D+1P	8 2013.40	24 6040.20	48 12080.40	72 18120.60	96 24160.80	120 30201.00	144 36241.20	168 42281.40	192 48321.60	216 54361.80	240 60402.00
8D+1P	9 2301.02	18 4602.05	45 11505.14	72 18408.22	90 23010.28	117 29913.37	144 36816.45	162 41418.51	189 48321.60	216 55224.68	234 59826.74
9D+1P	10 2588.65	20 5177.31	40 10354.62	70 18120.60	90 23297.91	120 31063.88	140 36241.20	160 41418.51	190 49184.48	210 54361.80	240 62127.77
10D+1P	11 2876.28	22 5752.57	44 11505.14	66 17257.71	88 23010.28	110 28762.85	143 37391.71	165 43144.28	187 48896.86	209 54649.43	231 60402.00
11D+1P	12 3163.91	24 6327.82	48 12655.65	72 18983.48	96 25311.31	120 31639.14	144 37966.97	168 44294.80	192 50622.63	216 56950.46	240 63278.29
12D+1P	13 3451.54	13 3451.54	39 10354.62	65 17257.71	91 24160.80	117 31063.88	143 37966.97	156 41418.51	182 48321.60	208 55224.68	234 62127.77
13D+1P	14 3739.17	14 3739.17	42 11217.51	70 18695.85	84 22435.03	112 29913.37	140 37391.71	168 44870.06	182 48609.23	210 56087.57	238 63565.91
14D+1P	15 4026.80	15 4026.80	45 12080.40	60 16107.20	90 24160.80	120 32214.40	135 36241.20	165 44294.80	180 48321.60	210 56375.20	240 64428.80
15D+1P	0 0.00	16 4314.43	48 12943.28	64 17257.71	96 25886.57	112 30201.00	144 38829.85	160 43144.28	192 51773.14	208 56087.57	240 64716.43

\*1: D: data disk, P: parity disk  
 \*2: It indicates RKAAS range. The basic chassis is not included.

Disk capacity	287.62 G bytes										
Component unit	RKAAS										
Range	11 (*2)		12	13	14	15	16	17	18	19	20
Total range of Disk drives	264	288	312	336	360	384	408	432	456	480 (Max) (*3)	
2D+1P (*1)	264 50622.63	288 55224.68	312 59826.74	336 64428.80	360 69030.86	384 73632.91	408 78234.97	432 82837.03	456 87439.09	480 92041.14	
3D+1P	264 56950.46	288 62127.77	312 67305.09	336 72482.40	360 77659.71	384 82837.03	408 88014.34	432 93191.66	456 98368.97	480 103546.29	
4D+1P	260 59826.74	285 65579.31	310 71331.89	335 77084.46	360 82837.03	380 87439.09	405 93191.66	430 98944.23	455 104696.80	480 110449.37	
5D+1P	264 63278.29	288 69030.86	312 74783.43	336 80536.00	360 86288.57	384 92041.14	408 97793.72	432 103546.29	456 109298.86	480 115051.43	
6D+1P	259 63853.54	287 70756.63	308 75933.94	336 82837.03	357 88014.34	378 93191.66	406 100094.74	427 105272.06	455 112175.15	476 117352.46	
7D+1P	264 66442.20	288 72482.40	312 78522.60	336 84562.80	360 90603.00	384 96643.20	408 102683.40	432 108723.60	456 114763.80	480 120804.00	
8D+1P	261 66729.83	288 73632.91	306 78234.97	333 85138.06	360 92041.14	378 96643.20	405 103546.29	432 110449.37	450 115051.43	477 121954.52	
9D+1P	260 67305.09	280 72482.40	310 80248.37	330 85425.69	360 93191.66	380 98368.97	400 103546.29	430 111312.26	450 116489.57	480 124255.55	
10D+1P	264 69030.86	286 74783.43	308 80536.00	330 86288.57	352 92041.14	374 97793.72	407 106422.57	429 112175.15	451 117927.72	473 123680.29	
11D+1P	264 69606.11	288 75933.94	312 82261.77	336 88589.60	360 94917.43	384 101245.26	408 107573.09	432 113900.92	456 120228.75	480 126556.58	
12D+1P	260 69030.86	286 75933.94	312 82837.03	325 86288.57	351 93191.66	377 100094.74	403 106997.83	429 113900.92	455 120804.00	468 124255.55	

T3D+1P	252 67305.09	280 74783.43	308 82261.77	336 89740.12	350 93479.29	378 100957.63	406 108435.97	420 112175.15	448 119653.49	476 127131.83
T4D+1P	255 68455.60	285 76509.20	300 80536.00	330 88589.60	360 96643.20	375 100670.00	405 108723.60	420 112750.40	450 120804.00	480 128857.60
T5D+1P	256 69030.86	288 77659.71	304 81974.14	336 90603.00	352 94917.43	384 103546.29	400 107860.72	432 116489.57	448 120804.00	480 129432.86

\*1: D: data disk, P: parity disk

\*2: It indicates RKAKSs range. The basic chassis is not included.

\*3: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKH/RKHE/RKEH.

# RAID 5 SAS disk drive capacities (300 GB) (Continued)

Table 8-27: RAID 5 SAS Disk Drive Capacities (300 GB)

Disk capacity	287.62 G bytes																
Component unit	RKAK																
Range	15																
Component unit	RKAK/ RKAKD (*2)																
Range	16 (*2)	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total range of Disk drives	240 (1b) (*3)	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (1b) (*4)
2D+1P	240 (*1) 46020.57	255 48896.86	270 51773.14	285 54649.43	300 57525.71	315 60402.00	330 63278.29	345 66154.57	360 69030.86	375 71907.14	390 74783.43	405 77659.71	420 80536.00	435 83412.29	450 86288.57	465 89164.86	480 92041.14
3D+1P	240 51773.14	252 54361.80	268 57818.34	284 61264.88	300 64716.43	312 67305.09	328 70756.63	344 74208.17	360 77659.71	372 80248.37	388 83699.92	404 87151.46	420 90603.00	432 93191.66	448 96643.20	464 100094.74	480 103546.29
4D+1P	240 55224.68	255 58676.23	270 62127.77	285 65579.31	300 69030.86	315 72482.40	330 75933.94	345 79385.48	360 82837.03	375 86288.57	390 89740.12	405 93191.66	420 96643.20	435 100094.74	450 103546.29	465 106997.83	480 110449.37
5D+1P	240 57525.71	252 60402.00	270 64716.43	282 67592.71	300 71907.14	312 74783.43	330 79097.86	342 81974.14	360 86288.57	372 89164.86	390 93479.29	402 96395.57	420 100670.00	432 103546.29	450 107860.72	462 110737.00	480 115051.43
6D+1P	238 58676.23	252 62127.77	266 65579.31	280 69030.86	294 72482.40	315 77659.71	329 81111.26	343 84562.80	357 88014.34	371 91485.89	385 94917.43	399 98368.97	420 103546.29	434 106997.83	448 110449.37	462 113900.92	476 117352.46
7D+1P	240 60402.00	248 62415.40	264 66442.20	280 70469.00	296 74495.80	312 78522.60	328 82549.40	344 86576.20	360 90603.00	368 92616.40	384 96643.20	400 100670.00	416 104696.80	432 108723.60	448 112750.40	464 116777.20	480 120804.00
8D+1P	234 59826.74	252 64428.80	270 69030.86	279 71331.89	297 75933.94	315 80536.00	324 82837.03	342 87439.09	360 92041.14	369 94342.17	387 98944.23	405 103546.29	414 105847.32	432 110449.37	450 115051.43	459 117352.46	477 121954.52
9D+1P	240 62127.77	250 64716.43	270 69893.74	280 72482.40	300 77659.71	310 80248.37	330 85425.69	340 88014.34	360 93191.66	370 95780.32	390 100957.63	400 103546.29	420 108723.60	430 111312.26	450 116489.57	460 119078.23	480 124255.55
10D+1P	231 60402.00	253 66154.57	264 69030.86	275 71907.14	297 77659.71	308 80536.00	330 86288.57	341 89164.86	352 92041.14	374 97793.72	385 100670.00	396 103546.29	418 109298.86	429 112175.15	440 115051.43	462 120804.00	473 123680.29
11D+1P	240 63278.29	252 66442.20	264 69606.11	276 72770.03	300 79097.86	312 82261.77	324 85425.69	336 88589.60	360 94917.43	372 98081.34	384 101245.26	396 104409.17	420 110737.00	432 113900.92	444 117064.83	456 120228.75	480 126556.58
12D+1P	234 62127.77	247 65579.31	260 69030.86	273 72482.40	299 79385.48	312 82837.03	325 86288.57	338 89740.12	351 93191.66	364 96643.20	390 103546.29	403 106997.83	416 110449.37	429 113900.92	442 117352.46	455 120804.00	468 124255.55
13D+1P	238 63565.91	252 67305.09	266 71044.26	280 74783.43	294 78522.60	308 82261.77	322 86000.94	336 89740.12	350 93479.29	364 97216.46	378 100957.63	392 104696.80	420 112175.15	434 115914.32	448 119653.49	462 123392.66	476 127131.83
14D+1P	240 64428.80	255 68455.60	270 72482.40	285 76509.20	300 80536.00	315 84562.80	330 88589.60	345 92616.40	360 96643.20	375 100670.00	390 104696.80	405 108723.60	420 112750.40	435 116777.20	450 120804.00	465 124830.80	480 128857.60
15D+1P	240 64716.43	240 64716.43	256 69030.86	272 73345.29	288 77659.71	304 81974.14	320 86288.57	336 90603.00	352 94917.43	368 99231.86	384 103546.29	400 107860.72	416 112175.15	432 116489.57	448 120804.00	464 125118.43	480 129432.86

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKM/RKEM.

**Note 4:** Indicates It indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

# RAID 6 SAS disk drive capacities (300 GB)

Table 8-28: RAID 6 SAS disk drive capacities (300 GB)

Disk capacity	287.62 G bytes										
Component unit	RKS/ RKES/ RKM/ RKEM										
Range	RKAKS										
Range	1 (*2)	1	2	3	4	5	6	7	8	9	10

Total range of Disk drives	Min.	15 (Max)	39	63	87	111	135	159 (*3)(Max)	183	207	231 (*4)(Max)	255 (*5)(Max)
2D+2P (*1)	4 575.25	12 1725.77	36 5177.31	60 8628.85	84 12080.40	108 15531.94	132 18983.48	156 22435.03	180 25886.57	204 29338.11	228 32789.65	252 36241.20
3D+2P	5 862.88	15 2588.65	35 6040.20	60 10354.62	85 14669.05	110 18983.48	135 23297.91	155 26749.45	180 31063.88	205 35378.31	230 39692.74	255 44007.17
4D+2P	6 1150.51	12 2301.02	36 6903.08	60 11505.14	84 16107.20	108 20709.25	132 25311.31	156 29913.37	180 34515.43	204 39117.48	228 43719.54	252 48321.60
5D+2P	7 1438.14	14 2876.28	35 7190.71	63 12943.28	84 17257.71	105 21572.14	133 27324.71	154 31639.14	182 37391.71	203 41706.14	231 47458.71	252 51773.14
6D+2P	8 1725.77	12 1725.77	32 6903.08	56 12080.40	80 17257.71	104 22435.03	128 27612.34	152 32789.65	176 37966.97	200 43144.28	224 48321.60	248 53498.91
7D+2P	9 2013.40	9 2013.40	36 8053.60	63 14093.80	81 18120.60	108 24160.80	135 30201.00	153 34227.80	180 40268.00	207 46308.20	225 50335.00	252 56375.20
8D+2P	10 2301.02	10 2301.02	30 6903.08	60 13806.17	80 18408.22	110 25311.31	130 29913.37	150 34515.43	180 41418.51	200 46020.57	230 52923.66	250 57525.71
9D+2P	11 2588.65	11 2588.65	33 7765.97	55 12943.28	77 18120.60	110 25886.57	132 31063.88	154 36241.20	176 41418.51	198 46595.83	231 54361.80	253 59539.11
10D+2P	12 2876.28	12 2876.28	36 8628.85	60 14381.42	84 20134.00	108 25886.57	132 31639.14	156 37391.71	180 43144.28	204 48896.86	228 54649.43	252 60402.00
11D+2P	13 3163.91	13 3163.91	39 9491.74	52 12655.65	78 18983.48	104 25311.31	130 31639.14	156 37966.97	182 44294.80	195 47458.71	221 53786.54	247 60114.37
12D+2P	14 3451.54	14 3451.54	28 6903.08	56 13806.17	84 20709.25	98 24160.80	126 31063.88	154 37966.97	182 44870.06	196 48321.60	224 55224.68	252 62127.77
13D+2P	15 3739.17	15 3739.17	30 7478.34	60 14956.68	75 18695.85	105 26174.20	135 33652.54	150 37391.71	180 44870.06	195 48609.23	225 56087.57	255 63565.91
14D+2P	0 0.00	0 0.00	32 8053.60	48 12080.40	80 20134.00	110 24160.80	128 32214.40	144 36241.20	176 44294.80	192 48321.60	224 56375.20	240 60402.00
15D+2P	0 0.00	0 0.00	34 8628.85	51 12943.28	85 21572.14	102 25886.57	119 30201.00	153 38829.85	170 43144.28	204 51773.14	221 56087.57	253 64716.43
16D+2P	0 0.00	0 0.00	36 9204.11	54 13806.17	72 18408.22	108 27612.34	126 32214.40	144 36816.45	180 46020.57	198 50622.63	216 55224.68	252 64428.80
17D+2P	0 0.00	0 0.00	38 9779.37	57 14669.05	76 19558.74	95 24448.43	133 34227.80	152 39117.48	171 44007.17	190 48896.86	228 58676.23	247 63565.91
18D+2P	0 0.00	0 0.00	20 5177.31	60 15531.94	80 20709.25	100 25886.57	120 31063.88	140 36241.20	180 46595.83	200 51773.14	220 56950.46	240 62127.77
19D+2P	0 0.00	0 0.00	21 5464.94	63 16394.82	84 21859.77	105 27324.71	126 32789.65	147 38254.60	168 43719.54	189 49184.48	231 60114.37	252 65579.31
20D+2P	0 0.00	0 0.00	22 5752.57	44 11505.14	66 17257.71	110 28762.85	132 34515.43	154 40268.00	176 46020.57	198 51773.14	220 57525.71	242 63278.29
21D+2P	0 0.00	0 0.00	23 6040.20	46 12080.40	69 18120.60	92 24160.80	115 30201.00	138 36241.20	161 42281.40	207 54361.80	230 60402.00	253 66442.20
22D+2P	0 0.00	0 0.00	24 6327.82	48 12655.65	72 18983.48	96 25311.31	120 31639.14	144 37966.97	168 44294.80	192 50622.63	216 56950.46	240 63278.29
23D+2P	0 0.00	0 0.00	25 6615.45	50 13230.91	75 19846.37	100 26461.83	125 33077.28	150 39692.74	175 46308.20	200 52923.66	225 59539.11	250 66154.57
24D+2P	0 0.00	0 0.00	26 6903.08	52 13806.17	78 20709.25	104 27612.34	130 34515.43	156 41418.51	182 48321.60	182 48321.60	208 55224.68	234 62127.77
25D+2P	0 0.00	0 0.00	27 7190.71	54 14381.42	81 21572.14	108 28762.85	135 35953.57	162 39593.57	189 43144.28	189 50335.00	216 57525.71	243 64716.43
26D+2P	0 0.00	0 0.00	28 7478.34	56 14956.68	84 22435.03	112 22435.03	140 29913.37	170 37391.71	196 44870.06	196 52348.40	224 59826.74	252 67305.09
27D+2P	0 0.00	0 0.00	29 7765.97	58 15531.94	87 23297.91	87 23297.91	116 31063.88	145 38829.85	174 46595.83	203 54361.80	203 54361.80	232 62127.77
28D+2P	0 0.00	0 0.00	30 8053.60	60 16107.20	60 16107.20	90 24160.80	120 32214.40	150 40268.00	180 48321.60	180 48321.60	210 56375.20	240 64428.80

\*1: D: data disk  
\*2: It indicates component unit and range when RKAKSs are connected to the RKS/RKES/RKM/RKEM  
\*3: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKS/RKES.  
\*4: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKM.  
\*5: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKEM.

## RAID 6 SAS disk drive capacities (300 GB) for RKAKS

Table 8-29: RAID 6 SAS disk drive capacities (300 GB) for RKAKS

Disk capacity	287.62 G bytes											
Component unit	RKAKS											
Range	1 (*2)	2	3	4	5	6	7	8	9	10		
Total range of Disk drives	Min.	24 (Max)	48	72	96	120	144	168	192	216	240	
2D+2P (*1)	4 575.25	24 3451.54	48 6903.08	72 10354.62	96 13806.17	120 17257.71	144 20709.25	168 24160.80	192 27612.34	216 31063.88	240 34515.43	
3D+2P	5 862.88	20 3451.54	45 7765.97	70 12080.40	95 16394.82	120 20709.25	140 24160.80	165 28475.23	190 32789.65	215 37104.08	240 41418.51	
4D+2P	6 1150.51	24 4602.05	48 9204.11	72 13806.17	96 18408.22	120 23010.28	144 27612.34	168 32214.40	192 36816.45	216 41418.51	240 46020.57	
5D+2P	7 1438.14	21 4314.42	42 8628.85	63 14381.42	84 18695.85	105 24448.43	126 28762.85	147 34515.43	168 38829.85	189 43144.28	210 48896.86	
6D+2P	8 1725.77	24 5177.31	48 10354.62	72 15531.94	96 20709.25	120 25886.57	144 31063.88	168 36241.20	192 41418.51	216 46595.83	240 51773.14	
7D+2P	9 2013.40	18 45	45 72	72 90	90 117	117 144	144 162	162 189	189 216	216 234	234	

	2013.40	4026.80	110067.00	116107.20	20134.00	26174.20	32214.40	36241.20	42281.40	48321.60	52348.40
8D+2P	10 2301.02	20 4602.05	40 9204.11	70 16107.20	90 20709.25	120 27612.34	140 32214.40	160 36816.45	190 43719.54	210 48321.60	240 55224.68
9D+2P	11 2588.65	22 5177.31	44 10354.62	66 15531.94	88 20709.25	110 25886.57	143 33652.54	165 38829.85	187 44007.17	209 49184.48	231 54361.80
10D+2P	12 2876.28	24 5752.57	48 11505.14	72 17257.71	96 23010.28	120 28762.85	144 34515.43	168 40268.00	192 46020.57	216 51773.14	240 57525.71
11D+2P	13 3163.91	13 3163.91	39 9491.74	65 15819.57	91 22147.40	117 28475.23	143 34803.05	156 37966.97	182 44294.80	208 50622.63	234 56950.46
12D+2P	14 3451.54	14 3451.54	42 10354.62	70 17257.71	84 20709.25	112 27612.34	140 34515.43	168 41418.51	182 44870.06	210 51773.14	238 58676.23
13D+2P	15 3739.17	15 3739.17	45 11217.51	60 14956.68	90 22435.03	120 29913.37	135 33652.54	165 41130.88	180 44870.06	210 52348.40	240 59826.74
14D+2P	0 0.00	0 0.00	48 12080.40	64 16107.20	96 24160.80	112 28187.60	144 36241.20	160 40268.00	192 48321.60	208 52348.40	240 60402.00
15D+2P	0 0.00	0 0.00	34 8628.85	68 17257.71	85 21572.14	119 30201.00	136 34515.43	153 38829.85	187 47458.71	204 51773.14	238 60402.00
16D+2P	0 0.00	0 0.00	36 9204.11	72 18408.22	90 23010.28	108 27612.34	144 36816.45	162 41418.51	180 46020.57	216 55224.68	234 59826.74
17D+2P	0 0.00	0 0.00	38 9779.37	57 14669.05	95 24448.43	114 29338.11	133 34227.80	152 39117.48	190 48896.86	209 53786.54	228 58676.23
18D+2P	0 0.00	0 0.00	40 10354.62	60 15531.94	80 20709.25	120 31063.88	140 36241.20	160 41418.51	180 46595.83	200 51773.14	240 62127.77
19D+2P	0 0.00	0 0.00	42 10929.88	63 16394.82	84 21859.77	105 27324.71	126 32789.65	168 43719.54	189 49184.48	210 54649.43	231 60114.37
20D+2P	0 0.00	0 0.00	44 11505.14	66 17257.71	88 23010.28	110 28762.85	132 34515.43	154 40268.00	176 46020.57	198 51773.14	220 57525.71
21D+2P	0 0.00	0 0.00	46 12080.40	69 18120.60	92 24160.80	115 30201.00	138 36241.20	161 42281.40	184 48321.60	207 54361.80	230 60402.00
22D+2P	0 0.00	0 0.00	48 12655.65	72 18983.48	96 25311.31	120 31639.14	144 37966.97	168 44294.80	192 50622.63	216 56950.46	240 63278.29
23D+2P	0 0.00	0 0.00	50 13230.91	75 19846.37	100 26461.83	125 33077.28	150 39692.74	175 46308.20	200 52923.66	225 59539.11	
24D+2P	0 0.00	0 0.00	26 6903.08	52 13806.17	78 20709.25	104 27612.34	130 34515.43	156 41418.51	182 48321.60	208 55224.68	234 62127.77
25D+2P	0 0.00	0 0.00	27 7190.71	54 14381.42	81 21572.14	108 28762.85	135 35953.57	162 43144.28	189 50335.00	216 57525.71	216 57525.71
26D+2P	0 0.00	0 0.00	28 7478.34	56 14956.68	84 22435.03	112 29913.37	140 37391.71	168 44870.06	196 44870.06	224 52348.40	224 59826.74
27D+2P	0 0.00	0 0.00	29 7765.97	58 15531.94	87 23297.91	116 31063.88	145 31063.88	174 38829.85	203 46595.83	232 54361.80	232 62127.77
28D+2P	0 0.00	0 0.00	30 8053.60	60 16107.20	90 24160.80	120 32214.40	150 32214.40	180 40268.00	210 48321.60	240 56375.20	240 64428.80

\*1: D: data disk, P: parity disk

\*2: It indicates RKAkSs range. The basic chassis is not included.

Disk capacity	287.62 G bytes									
Component unit	RKAkS									
Range	11(*2)	12	13	14	15	16	17	18	19	20
Total range of Disk drives	264	288	312	336	360	384	408	432	456	480 (Max) (*3)
2D+2P (*1)	264 37966.97	288 41418.51	312 44870.06	336 48321.60	360 51773.14	384 55224.68	408 58676.23	432 62127.77	456 65579.31	480 69030.86
3D+2P	260 44870.06	285 49184.48	310 53498.91	335 57813.34	360 62127.77	380 65579.31	405 69893.74	430 74208.17	455 78522.60	480 82837.03
4D+2P	264 50622.63	288 55224.68	312 59826.74	336 64428.80	360 69030.86	384 73632.91	408 78234.97	432 82837.03	456 87439.09	480 92041.14
5D+2P	259 53211.28	287 58963.86	308 63278.29	336 69030.86	357 73345.29	378 77659.71	406 83412.29	427 87726.72	455 93479.29	476 97793.72
6D+2P	264 56950.46	288 62127.77	312 67305.09	336 72482.40	360 77659.71	384 82837.03	408 88014.34	432 93191.66	456 98368.97	480 103546.29
7D+2P	261 58388.60	288 64428.80	306 68455.60	333 74495.80	360 80536.00	378 84562.80	405 90603.00	432 96643.20	450 100670.00	477 106710.20
8D+2P	260 59826.74	280 64428.80	310 71331.89	330 75933.94	360 82837.03	380 87439.09	400 92041.14	430 98944.23	450 103546.29	480 110449.37
9D+2P	264 62127.77	286 67305.09	308 72482.40	330 77659.71	352 82837.03	374 88014.34	407 95780.32	429 100957.63	451 106134.95	473 111312.26
10D+2P	264 63278.29	288 69030.86	312 74783.43	336 80536.00	360 86288.57	384 92041.14	408 97793.72	432 103546.29	456 109298.86	480 115051.43
11D+2P	260 63278.29	286 69606.11	312 75933.94	325 79097.86	351 85425.69	377 91753.52	403 98081.34	429 104409.17	455 110737.00	468 113900.92
12D+2P	252 62127.77	280 69030.86	308 75933.94	336 82837.03	350 86288.57	378 93191.66	406 100094.74	420 103546.29	448 110449.37	476 117352.46
13D+2P	255 63565.91	285 71044.26	300 74783.43	330 82261.77	360 89740.12	375 93479.29	405 100957.63	420 104696.80	450 112175.15	480 119653.49
14D+2P	256 64428.80	288 72482.40	304 76509.20	336 84562.80	352 88589.60	384 96643.20	400 100670.00	432 108723.60	448 112750.40	480 120804.00
15D+2P	255 64716.43	272 69030.86	306 77659.71	323 81974.14	357 90603.00	374 94917.43	408 103546.29	425 107860.72	442 112175.15	476 120804.00

T6D+2P	252 64428.80	288 73632.91	306 78234.97	324 82837.03	360 92041.14	378 96643.20	396 101245.26	432 110449.37	450 115051.43	468 119653.49
T7D+2P	247 63565.91	285 73345.29	304 78234.97	323 83124.66	342 88014.34	380 97793.72	399 102683.40	418 107573.09	456 117352.46	475 122242.15
T8D+2P	260 67305.09	280 72482.40	300 77659.71	320 82837.03	360 93191.66	380 98368.97	400 103546.29	420 108723.60	440 113900.92	480 124255.55
T9D+2P	252 65579.31	273 71044.26	294 76509.20	336 87439.09	357 92904.03	378 98368.97	399 103833.92	420 109298.86	441 114763.80	462 120228.75
20D+2P	264 69030.86	286 74783.43	308 80536.00	330 86288.57	352 92041.14	374 97793.72	396 103546.29	418 109298.86	440 115051.43	462 120804.00
21D+2P	253 66442.20	276 72482.40	299 78522.60	322 84562.80	345 90603.00	368 96643.20	391 102683.40	414 108723.60	437 114763.80	460 120804.00
22D+2P	264 69606.11	288 75933.94	312 82261.77	336 88589.60	360 94917.43	384 101245.26	408 107573.09	432 113900.92	456 120228.75	480 126556.58
23D+2P	250 66154.57	275 72770.03	300 79385.49	325 86000.94	350 92616.40	375 99231.86	400 105847.32	425 112462.77	450 119078.23	475 125693.69
24D+2P	260 69030.86	286 75933.94	312 82837.03	312 82837.03	338 89740.12	364 96643.20	390 103546.29	416 110449.37	442 117352.46	468 124255.55
25D+2P	243 64716.43	270 71907.14	297 79097.86	324 86288.57	351 93479.29	378 100670.00	405 107860.72	432 115051.43	432 115051.43	459 122242.15
26D+2P	252 67305.09	280 74783.43	308 82261.77	336 89740.12	336 89740.12	364 97218.46	392 104696.80	420 112175.15	448 119653.49	476 127131.83
27D+2P	261 69893.74	261 69893.74	290 77659.71	319 85425.69	348 93191.66	377 100957.63	406 108723.60	406 108723.60	435 116489.57	464 124255.55
28D+2P	240 64428.80	270 72482.40	300 80536.00	330 88589.60	360 96643.20	360 96643.20	390 104696.80	420 112750.40	450 120804.00	480 128857.60

\*1: D: data disk, P: parity disk  
\*2: It indicates RKAKSs range. The basic chassis is not included.  
\*3: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKH/RKHE/RKEH.

**Table 8-30: RAID 6 SAS Disk Drive Capacities (300 GB)**

Disk capacity	287.62 GB															
	Unit	RKS/RKES/RKM/RKEM		RKAK												z
Range	1		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Unit	RKAK Note2															
Range	1 Note2		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Total Range	Min.	15 (Max)	30	45	60	75	90	105	120 (Max) Note3	135	150	165	180	195	210	225
2D+2P Note1	4 575.25	12 1725.77	28 4026.80	44 6327.82	60 8628.85	72 10354.62	88 12655.65	104 14956.68	120 17257.71	132 18983.48	148 21284.51	164 23585.54	180 25886.57	192 27612.34	208 29913.37	224 32214.40
3D+2P	5 862.88	15 2588.65	30 5177.31	45 7765.97	60 10354.62	75 12943.28	90 15531.94	105 18120.60	120 20709.25	135 23297.91	150 25886.57	165 28475.23	180 31063.88	195 33652.54	210 36241.20	225 38829.85
4D+2P	6 1150.51	12 2301.02	30 5752.57	42 8053.60	60 11505.14	72 13806.17	90 17257.71	102 19558.74	120 23010.28	132 25311.31	150 28762.85	162 31063.88	180 34515.43	192 36816.45	210 40268.00	222 42569.03
5D+2P	7 1438.14	14 2876.28	28 5752.57	42 8628.85	56 11505.14	70 14381.42	84 17257.71	105 21572.14	119 24448.43	133 27324.71	147 30201.00	161 33077.28	175 35953.57	189 38829.85	210 43144.28	224 46020.57
6D+2P	8 1725.77	8 1725.77	24 5177.31	40 8628.85	56 12080.40	72 15531.94	88 18983.48	104 22435.03	120 25886.57	128 27612.34	144 31063.88	160 34515.43	176 37966.97	192 41418.51	208 44870.06	224 48321.60
7D+2P	9 2013.40	9 2013.40	27 6040.20	45 10067.00	60 12080.40	72 16107.20	90 20134.00	99 22147.40	117 26174.20	135 30201.00	144 32214.40	162 36241.20	180 40268.00	189 42281.40	207 46308.20	225 50335.00
8D+2P	10 2301.02	10 2301.02	30 6903.08	40 9204.11	60 13806.17	70 16107.20	90 20709.25	100 23010.28	120 27612.34	130 29913.37	150 34515.43	160 36816.45	180 41418.51	190 43719.54	210 48321.60	220 50622.63

**Table 8-30: RAID 6 SAS Disk Drive Capacities (300 GB) (Continued)**

Disk capacity	287.62 GB															
9D+2P	11 2588.65	11 2588.65	22 5177.31	44 10354.62	55 12943.28	66 15531.94	88 20709.25	99 23297.91	110 25886.57	132 31063.88	143 33652.54	165 38829.85	176 41418.51	187 44007.17	209 49184.48	220 51773.14
10D+2P	12 2876.28	12 2876.28	24 5752.57	36 8628.85	60 14381.42	72 17257.71	84 20134.00	96 23010.28	120 28762.85	132 31639.14	144 34515.43	156 37391.71	180 43144.28	192 46020.57	204 48896.86	216 51773.14
11D+2P	13 3163.91	13 3163.91	26 6327.82	39 9491.74	52 12655.65	65 15819.57	78 18983.48	104 25311.31	117 28475.23	130 31639.14	143 34803.05	156 37966.97	169 41130.88	195 47458.71	208 50622.63	221 53786.54
12D+2P	14 3451.54	14 3451.54	28 6903.08	42 10354.62	56 13806.17	70 17257.71	84 20709.25	98 24160.80	112 27612.34	126 31063.88	140 34515.43	154 37966.97	168 41418.51	182 44870.06	210 51773.14	224 55224.68
13D+2P	15 3739.17	15 3739.17	30 7478.34	45 11217.51	60 14956.68	75 18695.85	90 22435.03	105 26174.20	120 29913.37	135 33652.54	150 37391.71	165 41130.88	180 44870.06	195 48609.23	210 52348.40	225 56087.57
14D+2P	0 0.00	0 0.00	16 4026.80	32 8053.60	48 12080.40	64 16107.20	80 20134.00	96 24160.80	112 28187.60	128 32214.40	144 36241.20	160 40268.00	176 44294.80	192 48321.60	208 52348.40	224 56375.20
15D+2P	0 0.00	0 0.00	17 4314.42	34 8628.85	51 12943.28	68 17257.71	85 21572.14	102 25886.57	119 30201.00	119 30201.00	136 34515.43	153 38829.85	170 43144.28	187 47458.71	204 51773.14	221 56087.57
16D+2P	0 0.00	0 0.00	18 4602.05	36 9204.11	54 13806.17	72 18408.22	90 23010.28	90 23010.28	108 27612.34	126 32214.40	144 36816.45	162 41418.51	180 46020.57	180 46020.57	198 50622.63	216 55224.68
17D+2P	0 0.00	0 0.00	19 4889.68	38 9779.37	57 14669.05	76 19558.74	95 24448.43	114 29338.11	133 34227.80	133 34227.80	152 39117.48	171 44007.17	190 48896.86	209 53786.54	209 53786.54	209 53786.54
18D+2P	0 0.00	0 0.00	20 5177.31	40 10354.62	60 15531.94	80 20709.25	100 25886.57	120 31063.88	120 31063.88	140 36241.20	160 41418.51	180 46595.83	180 46595.83	200 51773.14	220 56950.46	220 56950.46
19D+2P	0 0.00	0 0.00	21 5464.94	42 10929.88	63 15819.57	84 21859.77	105 27324.71	105 27324.71	126 32789.65	147 38254.60	147 38254.60	168 43719.54	168 43719.54	189 49184.48	210 54649.43	210 54649.43
20D+2P	0 0.00	0 0.00	22 5752.57	44 11505.14	66 15819.57	88 23010.28	88 23010.28	110 28762.85	132 34515.43	132 34515.43	154 40268.00	176 46020.57	176 46020.57	198 51773.14	220 57525.71	220 57525.71
21D+2P	0 0.00	0 0.00	23 6040.20	46 12080.40	69 18120.60	92 23010.28	92 23010.28	115 30201.00	115 30201.00	138 36241.20	161 42281.40	161 42281.40	184 48321.60	207 54361.80	207 54361.80	207 54361.80
22D+2P	0 0.00	0 0.00	24 6327.82	48 12655.65	72 18983.48	96 25311.31	96 25311.31	120 31639.14	120 31639.14	144 37966.97	144 37966.97	168 44294.80	168 44294.80	192 50622.63	216 56950.46	216 56950.46
23D+2P	0 0.00	0 0.00	25 6615.45	50 13230.91	75 19846.37	100 26461.83	100 26461.83	125 33077.28	150 39692.74	150 39692.74	175 46308.20	175 46308.20	200 52923.66	225 59539.11	225 59539.11	225 59539.11
24D+2P	0 0.00	0 0.00	26 6903.08	52 13806.17	78 20709.25	104 27612.34	104 27612.34	130 34515.43	130 34515.43	156 41418.51	156 41418.51	182 48321.60	182 48321.60	208 55224.68	208 55224.68	208 55224.68
25D+2P	0 0.00	0 0.00	27 7190.71	54 14381.42	81 21572.14	108 28762.85	108 28762.85	135 35953.57	135 35953.57	162 43144.28	162 43144.28	189 50335.00	189 50335.00	216 57525.71	216 57525.71	216 57525.71
26D+2P	0 0.00	0 0.00	28 7478.34	56 14956.68	84 22435.03	112 29913.37	112 29913.37	140 37391.71	140 37391.71	168 44870.06	168 44870.06	196 52348.40	196 52348.40	224 59826.74	224 59826.74	224 59826.74
27D+2P	0 0.00	0 0.00	29 7765.97	58 15531.94	87 23297.91	116 29913.37	116 29913.37	145 38829.85	145 38829.85	174 46595.83	174 46595.83	203 54361.80	203 54361.80	231 60507.71	231 60507.71	231 60507.71
28D+2P	0 0.00	0 0.00	30 8053.60	60 16107.20	90 24160.80	120 32214.40	120 32214.40	150 40268.00	150 40268.00	180 48321.60	180 48321.60	210 56375.20	210 56375.20	240 65087.57	240 65087.57	240 65087.57

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates unit and range when expansion units are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKS/RKES.

# RAID 6 SAS disk drive capacities (300 GB) (continued)

**Table 8-31: RAID 6 SAS Disk Drive Capacities (300 GB)**

Disk capacity	287.62 GB																
Unit	RKAK																
Range	15	16	17	18	19	20	21	22	23								
Unit	RKA/ RKAKD Note2																
Range	16 Note2	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range	240 (Max) Note3	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (Max) Note4
2D+2P Note1	240 34515.43	252 36241.20	268 38542.23	284 40843.25	300 43144.28	312 44870.06	328 47171.08	344 49472.11	360 51773.14	372 53498.91	388 55799.94	404 58100.97	420 60402.00	432 62127.77	448 64428.80	464 66729.83	480 69030.86
3D+2P	240 41418.51	255 44007.17	270 46595.83	285 49184.48	300 51773.14	315 54361.80	330 56950.46	345 59539.11	360 62127.77	375 64716.43	390 67305.09	405 69893.74	420 72482.40	435 75071.06	450 77659.71	465 80248.37	480 82837.03
4D+2P	240 46020.57	252 48321.60	270 51773.14	282 54074.17	300 57525.71	312 59826.74	330 63278.29	342 65579.31	360 69030.86	372 71331.89	390 74783.43	402 77084.46	420 80536.00	432 82837.03	450 86288.57	462 88589.60	480 92041.14
5D+2P	238 48896.86	252 51773.14	266 54649.43	280 57525.71	294 60402.00	315 64716.43	329 67592.71	343 70469.00	357 73345.29	371 76221.57	385 79097.86	399 81974.14	420 86288.57	434 89164.86	448 92041.14	462 94917.43	476 97793.72
6D+2P	240 51773.14	248 53498.91	264 56950.46	280 60402.00	296 63853.54	312 67305.09	328 70756.63	344 74208.17	360 77659.71	368 79385.49	384 82837.03	400 86288.57	416 89740.12	432 93191.66	448 96643.20	464 100094.74	480 103546.29
7D+2P	234 52348.40	252 56375.20	270 60402.00	279 62415.40	297 66442.20	315 70469.00	324 72482.40	342 76509.20	360 80536.00	369 82549.40	387 86576.20	405 90603.00	414 92616.40	432 96643.20	450 100670.00	459 102683.40	477 106710.20
8D+2P	240 55224.68	250 57525.71	270 62127.77	280 64428.80	300 69030.86	310 71331.89	330 75933.94	340 78234.97	360 82837.03	370 85138.06	390 89740.12	400 92041.14	420 96643.20	430 98944.23	450 103546.29	460 105847.32	480 110449.37
9D+2P	231 54361.80	253 59539.11	264 62127.77	275 64716.43	297 69893.74	308 72482.40	330 77659.71	341 80248.37	352 82837.03	374 88014.34	385 90603.00	396 93191.66	418 98368.97	429 100957.63	440 103546.29	462 108723.60	473 111312.26
10D+2P	240 57525.71	252 60402.00	264 63278.29	276 66154.57	300 71907.14	312 74783.43	324 77659.71	336 80536.00	360 86288.57	372 89164.86	384 92041.14	396 94917.43	420 100670.00	432 103546.29	444 106422.57	456 109298.86	480 115051.43
11D+2P	234 56950.46	247 60114.37	260 63278.29	273 66442.20	299 72770.03	312 75933.94	325 79097.86	338 82261.77	351 85425.69	364 88589.60	390 94917.43	403 98081.34	416 101245.26	429 104409.17	442 107573.09	455 110737.00	468 113900.92
12D+2P	238 58676.23	252 62127.77	266 65579.31	280 69030.86	294 72482.40	308 75933.94	322 79385.49	336 82837.03	350 86288.57	364 89740.12	378 93191.66	392 96643.20	420 103546.29	434 106997.83	448 110449.37	462 113900.92	476 117352.46
13D+2P	240 59826.74	255 63565.91	270 67305.09	285 71044.26	300 74783.43	315 78522.60	330 82261.77	345 86000.94	360 89740.12	375 93479.29	390 97218.46	405 100957.63	420 104696.80	435 108435.97	450 112175.15	465 115914.32	480 119653.49
14D+2P	240 60402.00	240 60402.00	256 64428.80	272 68455.60	288 72482.40	304 76509.20	320 80536.00	336 84562.80	352 88589.60	368 92616.40	384 96643.20	400 100670.00	416 104696.80	432 108723.60	448 112750.40	464 116777.20	480 120804.00
15D+2P	238 60402.00	255 64716.43	255 64716.43	272 69030.86	289 73345.29	306 77659.71	323 81974.14	340 86288.57	357 90603.00	374 94917.43	374 94917.43	391 99231.86	408 103546.29	425 107860.72	442 112175.15	459 116489.57	476 120804.00
16D+2P	234 59826.74	252 64428.80	270 69030.86	270 69030.86	288 73632.91	306 78234.97	324 82837.03	342 87439.09	360 92041.14	360 92041.14	378 96643.20	396 101245.26	414 105847.32	432 110449.37	450 115051.43	450 115051.43	468 119653.49
17D+2P	228 58676.23	247 63565.91	266 68455.60	285 73345.29	285 73345.29	304 78234.97	323 83124.66	342 88014.34	342 88014.34	361 92904.03	380 97793.72	399 102683.40	418 107573.09	418 107573.09	437 112462.77	456 117352.46	475 122242.15
18D+2P	240 62127.77	240 62127.77	260 67305.09	280 72482.40	300 77659.71	300 77659.71	320 82837.03	340 88014.34	360 93191.66	360 93191.66	380 98368.97	400 103546.29	420 108723.60	420 108723.60	440 113900.92	460 119078.23	480 124255.55
19D+2P	231 60114.37	252 65579.31	252 65579.31	273 71044.26	294 76509.20	315 81974.14	315 81974.14	336 87439.09	357 92904.03	357 92904.03	378 98368.97	420 103833.92	420 109298.86	420 109298.86	441 114763.80	462 120228.75	462 120228.75
20D+2P	220 57525.71	242 63278.29	264 69030.86	264 69030.86	286 74783.43	308 80536.00	330 86288.57	330 86288.57	352 92041.14	374 97793.72	374 97793.72	396 103546.29	418 109298.86	418 109298.86	440 115051.43	462 120804.00	462 120804.00
21D+2P	230 60402.00	253 66442.20	253 66442.20	276 72482.40	299 78522.60	299 78522.60	322 84562.80	345 90603.00	345 90603.00	368 96643.20	368 96643.20	391 102683.40	414 108723.60	414 108723.60	437 114763.80	460 120804.00	460 120804.00
22D+2P	240 63278.29	240 63278.29	264 69606.11	264 69606.11	288 75933.94	312 82261.77	312 82261.77	336 88589.60	360 94917.43	360 94917.43	384 101245.26	384 101245.26	408 107573.09	432 113900.92	432 113900.92	456 120228.75	480 126556.58
23D+2P	225 59539.11	250 66154.57	250 66154.57	275 72770.03	300 79385.49	300 79385.49	325 86000.94	325 86000.94	350 92616.40	375 99231.86	375 99231.86	400 105847.32	400 105847.32	425 112462.77	450 119078.23	450 119078.23	475 125693.69

**Table 8-31: RAID 6 SAS Disk Drive Capacities (300 GB) (Continued)**

Disk capacity	287.62 GB																
	24D+2P	234 62127.77	234 62127.77	260 69030.86	260 69030.86	286 75933.94	312 82837.03	312 82837.03	338 89740.12	338 89740.12	364 96643.20	390 103546.29	390 103546.29	416 110449.37	416 110449.37	442 117352.46	442 117352.46
25D+2P	216 57525.71	243 64716.43	270 71907.14	270 71907.14	297 79097.86	297 79097.86	324 86288.57	324 86288.57	351 93479.29	351 93479.29	378 100670.00	405 107860.72	405 107860.72	432 115051.43	432 115051.43	459 122242.15	459 122242.15
26D+2P	224 59826.74	252 67305.09	252 67305.09	280 74783.43	280 74783.43	308 82261.77	308 82261.77	336 89740.12	336 89740.12	364 97218.46	364 97218.46	392 104696.80	420 112175.15	420 112175.15	448 119653.49	448 119653.49	476 127131.83
27D+2P	232 62127.77	232 62127.77	261 69893.74	261 69893.74	290 77659.71	290 77659.71	319 85425.69	319 85425.69	348 93191.66	348 93191.66	377 100957.63	377 100957.63	406 108723.60	435 116489.57	435 116489.57	464 124255.55	464 124255.55
28D+2P	240 64428.80	240 64428.80	270 72482.40	270 72482.40	300 80536.00	300 80536.00	330 88589.60	330 88589.60	360 96643.20	360 96643.20	390 104696.80	390 104696.80	420 112750.40	420 112750.40	450 120804.00	450 120804.00	480 128857.60

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates unit and range when expansion units are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKM/RKEM.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

## RAID 1+0 SAS disk drive capacities (300 GB)

Table 8-32: RAID 1+0 SAS disk drive capacities (300 GB)

Disk capacity	287.62 G bytes											
Component unit	RKS/RKES/RKM/RKEM		RKAKS									
Range	1 (*2)		1	2	3	4	5	6	7	8	9	10
Total range of Disk drives	Min.	15 (Max)	39	63	87	111	135	159 (*3)(Max)	183	207	231 (*4)(Max)	255 (*5)(Max)
2D+2D (*1)	4 575.25	12 1725.77	36 5177.31	60 8628.85	84 12080.40	108 15531.94	132 18983.48	156 22435.03	180 25886.57	204 29338.11	228 32789.65	252 36241.20
3D+3D	6 862.88	12 1725.77	36 5177.31	60 8628.85	84 12080.40	108 15531.94	132 18983.48	156 22435.03	180 25886.57	204 29338.11	228 32789.65	252 36241.20
4D+4D	8 1150.51	15 2115.51	32 4602.05	56 8053.60	80 11505.14	104 14956.68	128 18408.22	152 21859.77	176 25311.31	200 28762.85	224 32214.40	248 35665.94
5D+5D	10 1438.14	18 2618.14	36 5177.31	60 8628.85	84 11505.14	110 15819.57	130 18695.85	150 21572.14	180 25886.57	200 28762.85	230 33077.28	250 35953.57
6D+6D	12 1725.77	12 1725.77	36 5177.31	60 8628.85	84 12080.40	108 15531.94	132 18983.48	156 22435.03	180 25886.57	204 29338.11	228 32789.65	252 36241.20
7D+7D	14 2013.40	14 2013.40	28 4026.80	56 8053.60	84 12080.40	98 14093.80	126 18120.60	154 22147.40	182 26174.20	196 28187.60	224 32214.40	252 36241.20
8D+8D	0 0.00	0 0.00	32 4602.05	48 6903.08	80 11505.14	96 13806.17	128 18408.22	144 20709.25	176 25311.31	192 27612.34	224 32214.40	240 34515.43

\*1: D: data disk

\*2: It indicates component unit and range when RKAKSs are connected to the RKS/RKES/RKM/RKEM

\*3: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKS/RKES.

\*4: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKM.

\*5: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKEM.

## RAID 1+0 SAS disk drive capacities (300 GB) for RKAKS

Table 8-33: RAID 1+0 SAS disk drive capacities (300 GB)

Disk capacity	287.62 G bytes											
Component unit	RKS/RKES/RKM/RKEM		RKAKS									
Range	1 (*2)		1	2	3	4	5	6	7	8	9	10
Total range of Disk drives	Min.	15 (Max)	39	63	87	111	135	159 (*3)(Max)	183	207	231 (*4)(Max)	255 (*5)(Max)
2D+2D (*1)	4 575.25	12 1725.77	36 5177.31	60 8628.85	84 12080.40	108 15531.94	132 18983.48	156 22435.03	180 25886.57	204 29338.11	228 32789.65	252 36241.20
3D+3D	6 862.88	12 1725.77	36 5177.31	60 8628.85	84 12080.40	108 15531.94	132 18983.48	156 22435.03	180 25886.57	204 29338.11	228 32789.65	252 36241.20
4D+4D	8 1150.51	15 2115.51	32 4602.05	56 8053.60	80 11505.14	104 14956.68	128 18408.22	152 21859.77	176 25311.31	200 28762.85	224 32214.40	248 35665.94
5D+5D	10 1438.14	18 2618.14	36 5177.31	60 8628.85	80 11505.14	110 15819.57	130 18695.85	150 21572.14	180 25886.57	200 28762.85	230 33077.28	250 35953.57
6D+6D	12 1725.77	12 1725.77	36 5177.31	60 8628.85	84 12080.40	108 15531.94	132 18983.48	156 22435.03	180 25886.57	204 29338.11	228 32789.65	252 36241.20
7D+7D	14 2013.40	14 2013.40	28 4026.80	56 8053.60	84 12080.40	98 14093.80	126 18120.60	154 22147.40	182 26174.20	196 28187.60	224 32214.40	252 36241.20
8D+8D	0 0.00	0 0.00	32 4602.05	48 6903.08	80 11505.14	96 13806.17	128 18408.22	144 20709.25	176 25311.31	192 27612.34	224 32214.40	240 34515.43

\*1: D: data disk

\*2: It indicates component unit and range when RKAKSs are connected to the RKS/RKES/RKM/RKEM

\*3: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKS/RKES.

\*4: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKM.

\*5: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKEM.

## RAID 0 SAS disk drive capacities (400 GB)

Table 8-34: RAID 0 SAS Disk Drive Capacities (400 GB)

Disk capacity	392.73 GB															
Unit	RKS/RKES/ RKM/RKEM		RKAK													
Range	1		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Unit	RKAK/ RKAKD Note2															
Range	1 Note2		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Total Range	Min.	15 (Max)	30	45	60	75	90	105	120 (Max) Note3	135	150	165	180	195	210	225
2D	2	14	30	44	60	74	90	104	120	134	150	164	180	194	210	224
Note1	785.47	5498.32	11782.13	17280.46	23564.27	29062.60	35346.40	40844.73	47128.54	52626.87	58910.67	64409.00	70692.81	76191.14	82474.94	87973.27
3D	3	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
	1178.21	5891.06	11782.13	17673.20	23564.27	29455.33	35346.40	41237.47	47128.54	53019.60	58910.67	64801.74	70692.81	76583.88	82474.94	88366.01
4D	4	12	28	44	60	72	88	104	120	132	148	164	180	192	208	224
	1570.95	4712.85	10996.65	17280.46	23564.27	28277.12	34560.93	40844.73	47128.54	51841.39	58125.20	64409.00	70692.81	75405.66	81689.47	87973.27
5D	5	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
	1963.68	5891.06	11782.13	17673.20	23564.27	29455.33	35346.40	41237.47	47128.54	53019.60	58910.67	64801.74	70692.81	76583.88	82474.94	88366.01
6D	6	12	30	42	60	72	90	102	120	132	150	162	180	192	210	222
	2356.42	4712.85	11782.13	16494.98	23564.27	28277.12	35346.40	40059.26	47128.54	51841.39	58910.67	63623.53	70692.81	75405.66	82474.94	87187.80
7D	7	14	28	42	56	70	84	105	119	133	147	161	175	189	210	224
	2749.16	5498.32	10996.65	16494.98	21993.31	27491.64	32989.97	41237.47	46735.80	52234.13	57732.46	63230.79	68729.12	74227.45	82474.94	87973.27
8D	8	8	24	40	56	72	88	104	120	128	144	160	176	192	208	224
	3141.90	3141.90	9425.70	15709.51	21993.31	28277.12	34560.93	40844.73	47128.54	50270.44	56554.25	62838.05	69121.86	75405.66	81689.47	87973.27
9D	9	9	27	45	54	72	90	99	117	135	144	162	180	189	207	225
	3534.64	3534.64	10603.92	17673.20	21207.84	28277.12	35346.40	38881.04	45950.32	53019.60	56554.25	63623.53	70692.81	74227.45	81296.73	88366.01
10D	10	10	30	40	60	70	90	100	120	130	150	160	180	190	210	220
	3927.37	3927.37	11782.13	15709.51	23564.27	27491.64	35346.40	39273.78	47128.54	51055.92	58910.67	62838.05	70692.81	74620.19	82474.94	86402.32
11D	11	11	22	44	55	66	88	99	110	132	143	165	176	187	209	220
	4320.11	4320.11	8640.23	17280.46	21600.58	25920.69	34560.93	38881.04	43201.16	51841.39	56161.51	64801.74	69121.86	73441.97	82082.21	86402.32
12D	12	12	24	36	60	72	84	96	120	132	144	156	180	192	204	216
	4712.85	4712.85	9425.70	14138.56	23564.27	28277.12	32989.97	37702.83	47128.54	51841.39	56554.25	61267.10	70692.81	75405.66	80118.52	84831.37
13D	13	13	26	39	52	65	78	104	117	130	143	156	169	195	208	221
	5105.59	5105.59	10211.18	15316.77	20422.36	25527.96	30633.55	40844.73	45950.32	51055.92	56161.51	61267.10	66372.69	76583.88	81689.47	86795.06
14D	14	14	28	42	56	70	84	98	112	126	140	154	168	182	210	224
	5498.32	5498.32	10996.65	16494.98	21993.31	27491.64	32989.97	38488.30	43986.63	49484.96	54983.29	60481.62	65979.95	71478.28	82474.94	87973.27
15D	15	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
	5891.06	5891.06	11782.13	17673.20	23564.27	29455.33	35346.40	41237.47	47128.54	53019.60	58910.67	64801.74	70692.81	76583.88	82474.94	88366.01
16D	0	0	16	32	48	64	80	96	112	128	144	160	176	192	208	224
	0.00	0.00	6283.80	12567.61	18851.41	25135.22	31419.02	37702.83	43986.63	50270.44	56554.25	62838.05	69121.86	75405.66	81689.47	87973.27

**Note 1:** D: data disk.

**Note 2:** Indicates unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKS/RKES.

# RAID 0 SAS disk drive capacities (400 GB) (continued)

**Table 8-35: RAID 0 SAS Disk Drive Capacities (400 GB)**

Disk capacity	392.73 GB																
Unit	RKAK																
Range	15	16	17	18	19	20	21	22	23								
Unit	RKAK/ RKAKD Note2																
Range	16 Note2	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range	240 (Max) Note3	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (Max) Note4
2D Note1	240 94257.08	254 99755.41	270 106039.21	284 111537.54	300 117821.35	314 123319.68	330 129603.49	344 135101.82	360 141385.62	374 146883.95	390 153167.76	404 158666.09	420 164949.89	434 170448.22	450 176732.03	464 182230.36	480 188514.16
3D	240 94257.08	255 100148.15	270 106039.21	285 111930.28	300 117821.35	315 123712.42	330 129603.49	345 135494.55	360 141385.62	375 147276.69	390 153167.76	405 159058.82	420 164949.89	435 170840.96	450 176732.03	465 182623.09	480 188514.16
4D	240 94257.08	252 98969.93	268 105253.74	284 111537.54	300 117821.35	312 122534.20	328 128818.01	344 135101.82	360 141385.62	372 146098.47	388 152382.28	404 158666.09	420 164949.89	432 169662.75	448 175946.55	464 182230.36	480 188514.16
5D	240 94257.08	255 100148.15	270 106039.21	285 111930.28	300 117821.35	315 123712.42	330 129603.49	345 135494.55	360 141385.62	375 147276.69	390 153167.76	405 159058.82	420 164949.89	435 170840.96	450 176732.03	465 182623.09	480 188514.16
6D	240 94257.08	252 98969.93	270 106039.21	282 110752.07	300 117821.35	312 122534.20	330 129603.49	342 134316.34	360 141385.62	372 146098.47	390 153167.76	402 157880.61	420 164949.89	432 169662.75	450 176732.03	462 181444.88	480 188514.16
7D	238 93471.60	252 98969.93	266 104468.26	280 109966.59	294 115464.92	315 123712.42	329 129210.75	343 134709.08	357 140207.41	371 145705.74	385 151204.07	399 156702.40	420 164949.89	434 170448.22	448 175946.55	462 181444.88	476 186943.21
8D	240 94257.08	248 97398.98	264 103682.79	280 109966.59	296 116250.40	312 122534.20	328 128818.01	344 135101.82	360 141385.62	368 144527.52	384 150811.33	400 157095.13	416 163378.94	432 169662.75	448 175946.55	464 182230.36	480 188514.16
9D	234 91900.65	252 98969.93	270 106039.21	279 109573.85	297 116643.14	315 123712.42	324 127247.06	342 134316.34	360 141385.62	369 144920.26	387 151989.54	405 159058.82	414 162593.46	432 169662.75	450 176732.03	459 180266.67	477 187335.95
10D	240 94257.08	250 98184.46	270 106039.21	280 109966.59	300 117821.35	310 121748.73	330 129603.49	340 133530.86	360 141385.62	370 145313.00	390 153167.76	400 157095.13	420 164949.89	430 168877.27	450 176732.03	460 180659.41	480 188514.16
11D	231 90722.44	253 99362.67	264 103682.79	275 108002.90	297 116643.14	308 120963.25	330 129603.49	341 133923.60	352 138243.72	374 146883.95	385 151204.07	396 155524.18	418 164164.42	429 168484.53	440 172804.65	462 181444.88	473 185765.00
12D	240 94257.08	252 98969.93	264 103682.79	276 108395.64	300 117821.35	312 122534.20	324 127247.06	336 131959.91	360 141385.62	372 146098.47	384 150811.33	396 155524.18	420 164949.89	432 169662.75	444 174375.60	456 179088.45	480 188514.16
13D	234 91900.65	247 97006.24	260 102111.84	273 107217.43	299 117428.61	312 122534.20	325 127639.80	338 132745.39	351 137850.98	364 142956.57	390 153167.76	403 158273.35	416 163378.94	429 168484.53	442 173590.12	455 178695.72	468 183801.31
14D	238 93471.60	252 98969.93	266 104468.26	280 109966.59	294 115464.92	308 120963.25	322 126461.58	336 131959.91	350 137458.24	364 142956.57	378 148454.90	392 153953.23	420 164949.89	434 170448.22	448 175946.55	462 181444.88	476 186943.21
15D	240 94257.08	255 100148.15	270 106039.21	285 111930.28	300 117821.35	315 123712.42	330 129603.49	345 135494.55	360 141385.62	375 147276.69	390 153167.76	405 159058.82	420 164949.89	435 170840.96	450 176732.03	465 182623.09	480 188514.16
16D	240 94257.08	240 94257.08	256 100540.88	272 106824.69	288 113108.50	304 119392.30	320 125676.11	336 131959.91	352 138243.72	368 144527.52	384 150811.33	400 157095.13	416 163378.94	432 169662.75	448 175946.55	464 182230.36	480 188514.16

**Note 1:** D: data disk.

**Note 2:** Indicates unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKM/RKEM.

**Note 4:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

## RAID 1 SAS disk drive capacities (400 GB)

Table 8-36: RAID 1 SAS Disk Drive Capacities (400 GB)

Disk capacity	392.73 GB																
Unit	RKS/RKES/ RKM/RKEM	RKAK															
Range	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14		
Unit	RKAK/RKAKD Note2																
Range	1 Note2	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
Total Range	Min.	15 (Max)	30	45	60	75	90	105	120 (Max) Note3	135	150	165	180	195	210	225	
ID+ID Note1	2 392.73	14 2749.16	30 5891.06	44 8640.23	60 11782.13	74 14531.30	90 17673.20	104 20422.36	120 23564.27	134 26313.43	150 29455.33	164 32204.50	180 35346.40	194 38095.57	210 41237.47	224 43986.63	
Disk capacity	392.73 GB																
Range	15																
Unit	RKAK/ RKAKD Note2																
Range	16 Note2	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range	240 (Max) Note4	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 Max Note5
ID+ID Note1	240 47128.54	254 49877.70	270 53019.60	284 55768.77	300 58910.67	314 61659.84	330 64801.74	344 67550.91	360 70692.81	374 73441.97	390 76583.88	404 79333.04	420 82474.94	434 85224.11	450 88366.01	464 91115.18	480 94257.08

**Note 1:** D: data disk.

**Note 2:** Indicates unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKS/RKES.

**Note 4:** Indicates the total range in the maximum configuration RKAKs are connected to the RKM/RKEM.

**Note 5:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

# RAID 5 SAS disk drive capacities (400 GB)

**Table 8-37: RAID 5 SAS Disk Drive Capacities (400 GB)**

Disk capacity	392.73 GB															
Unit	RKS/RKES/ RKM/RKEM	RKAK														
Range	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Unit	RKAK Note2															
Range	1 Note2		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Total Range	Min.	15 (Max)	30	45	60	75	90	105	120 (Max) Note3	135	150	165	180	195	210	225
2D+1P	3	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
Note1	785.47	3927.37	7854.75	11782.13	15709.51	19636.89	23564.27	27491.64	31419.02	35346.40	39273.78	43201.16	47128.54	51055.92	54983.29	58910.67
3D+1P	4	12	28	44	60	72	88	104	120	132	148	164	180	192	208	224
	1178.21	3534.64	8247.49	12960.34	17673.20	21207.84	25920.69	30633.55	35346.40	38881.04	43593.90	48306.75	53019.60	56554.25	61267.10	65979.95
4D+1P	5	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
	1570.95	4712.85	9425.70	14138.56	18851.41	23564.27	28277.12	32989.97	37702.83	42415.68	47128.54	51841.39	56554.25	61267.10	65979.95	70692.81
5D+1P	6	12	30	42	60	72	90	102	120	132	150	162	180	192	210	222
	1963.68	3927.37	9818.44	13745.82	19636.89	23564.27	29455.33	33382.71	39273.78	43201.16	49092.23	53019.60	58910.67	62838.05	68729.12	72656.50
6D+1P	7	14	28	42	56	70	84	105	119	133	147	161	175	189	210	224
	2356.42	4712.85	9425.70	14138.56	18851.41	23564.27	28277.12	35346.40	40059.26	44772.11	49484.96	54197.82	58910.67	63623.53	70692.81	75405.66
7D+1P	8	8	24	40	56	72	88	104	120	128	144	160	176	192	208	224
	2749.16	2749.16	8247.49	13745.82	19244.15	24742.48	30240.81	35739.14	41237.47	43986.63	49484.96	54983.29	60481.62	65979.95	71478.28	76976.61
8D+1P	9	9	27	45	54	72	90	99	117	135	144	162	180	189	207	225
	3141.90	3141.90	9425.70	15709.51	18851.41	25135.22	31419.02	34560.93	40844.73	47128.54	50270.44	56554.25	62838.05	65979.95	72263.76	78547.56
9D+1P	10	10	30	40	60	70	90	100	120	130	150	160	180	190	210	220
	3534.64	3534.64	10603.92	14138.56	21207.84	24742.48	31811.76	35346.40	42415.68	45950.32	53019.60	56554.25	63623.53	67158.17	74227.45	77762.09
10D+1P	11	11	22	44	55	66	88	99	110	132	143	165	176	187	209	220
	3927.37	3927.37	7854.75	15709.51	19636.89	23564.27	31419.02	35346.40	39273.78	47128.54	51055.92	58910.67	62838.05	66765.43	74620.19	78547.56
11D+1P	12	12	24	36	60	72	84	96	120	132	144	156	180	192	204	216
	4320.11	4320.11	8640.23	12960.34	21600.58	25920.69	30240.81	34560.93	43201.16	47521.27	51841.39	56161.51	64801.74	69121.86	73441.97	77762.09
12D+1P	13	13	26	39	52	65	78	104	117	130	143	156	169	195	208	221
	4712.85	4712.85	9425.70	14138.56	18851.41	23564.27	28277.12	37702.83	42415.68	47128.54	51841.39	56554.25	61267.10	70692.81	75405.66	80118.52
13D+1P	14	14	28	42	56	70	84	98	112	126	140	154	168	182	210	224
	5105.59	5105.59	10211.18	15316.77	20422.36	25527.96	30633.55	35739.14	40844.73	45950.32	51055.92	56161.51	61267.10	66372.69	76583.88	81689.47
14D+1P	15	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
	5498.32	5498.32	10996.65	16494.98	21993.31	27491.64	32989.97	38488.30	43986.63	49484.96	54983.29	60481.62	65979.95	71478.28	76976.61	82474.94
15D+1P	0	0	16	32	48	64	80	96	112	128	144	160	176	192	208	224
	0.00	0.00	5891.06	11782.13	17673.20	23564.27	29455.33	35346.40	41237.47	47128.54	53019.60	58910.67	64801.74	70692.81	76583.88	82474.94

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKS/RKES.

# RAID 5 SAS disk drive capacities (400 GB) (continued)

**Table 8-38: RAID 5 SAS Disk Drive Capacities (400 GB)**

Disk capacity	392.73 GB																
Unit	RKAK																
Range	15	16	17	18	19	20	21	22	23								
Unit	RKAK/ RKAK X Note2																
Range	16 Note2	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range	240 (Max) Note3	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (Max) Note4
2D+1P Note1	240 62838.05	255 66765.43	270 70692.81	285 74620.19	300 78547.56	315 82474.94	330 86402.32	345 90329.70	360 94257.08	375 98184.46	390 102111.84	405 106039.21	420 109966.59	435 113893.97	450 117821.35	465 121748.73	480 125676.11
3D+1P	240 70692.81	252 74227.45	268 78940.30	284 83653.16	300 88366.01	312 91900.65	328 96613.51	344 101326.36	360 106039.21	372 109573.85	388 114286.71	404 118999.56	420 123712.42	432 127247.06	448 131959.91	464 136672.77	480 141385.62
4D+1P	240 75405.66	255 80118.52	270 84831.37	285 89544.22	300 94257.08	315 98969.93	330 103682.79	345 108395.64	360 113108.50	375 117821.35	390 122534.20	405 127247.06	420 131959.91	435 136672.77	450 141385.62	465 146098.47	480 150811.33
5D+1P	240 78547.56	252 82474.94	270 88366.01	282 92293.39	300 98184.46	312 102111.84	330 108002.90	342 111930.28	360 117821.35	372 121748.73	390 127639.80	402 131567.17	420 137458.24	432 141385.62	450 147276.69	462 151204.07	480 157095.13
6D+1P	238 80118.52	252 84831.37	266 89544.22	280 94257.08	294 98969.93	315 106039.21	329 110752.07	343 115464.92	357 120177.78	371 124890.63	385 129603.49	399 134316.34	420 141385.62	434 146098.47	448 150811.33	462 155524.18	476 160237.04
7D+1P	240 82474.94	248 85224.11	264 90722.44	280 96220.77	296 101719.10	312 107217.43	328 112715.76	344 118214.09	360 123712.42	368 126461.58	384 131959.91	400 137458.24	416 142956.57	432 148454.90	448 153953.23	464 159451.56	480 164949.89
8D+1P	234 81689.47	252 87973.27	270 94257.08	279 97398.98	297 103682.79	315 109966.59	324 113108.50	342 119392.30	360 125676.11	369 128818.01	387 135101.82	405 141385.62	414 144527.52	432 150811.33	450 157095.13	459 160237.04	477 166520.84
9D+1P	240 84831.37	250 88366.01	270 95435.29	280 98969.93	300 106039.21	310 109573.85	330 116643.14	340 120177.78	360 127247.06	370 130781.70	390 137850.98	400 141385.62	420 148454.90	430 151989.54	450 159058.82	460 162593.46	480 169662.75
10D+1P	231 82474.94	253 90329.70	264 94257.08	275 98184.46	297 106039.21	308 109966.59	330 117821.35	341 121748.73	352 125676.11	374 133530.86	385 137458.24	396 141385.62	418 149240.38	429 153167.76	440 157095.13	462 164949.89	473 168877.27
11D+1P	240 86402.32	252 90722.44	264 95042.55	276 99362.67	300 108002.90	312 112323.02	324 116643.14	336 120963.25	360 129603.49	372 133923.60	384 138243.72	396 142563.83	420 151204.07	432 155524.18	444 159844.30	456 164164.42	480 172804.65
12D+1P	234 84831.37	247 89544.22	260 94257.08	273 98969.93	299 108395.64	312 113108.50	325 117821.35	338 122534.20	351 127247.06	364 131959.91	390 141385.62	403 146098.47	416 150811.33	429 155524.18	442 160237.04	455 164949.89	468 169662.75
13D+1P	238 86795.06	252 91900.65	266 97006.24	280 102111.84	294 107217.43	308 112323.02	322 117428.61	336 122534.20	350 127639.80	364 132745.39	378 137850.98	392 142956.57	420 153167.76	434 158273.35	448 163378.94	462 168484.53	476 173590.12
14D+1P	240 87973.27	255 93471.60	270 98969.93	285 104468.26	300 109966.59	315 115464.92	330 120963.25	345 126461.58	360 131959.91	375 137458.24	390 142956.57	405 148454.90	420 153953.23	435 159451.56	450 164949.89	465 170448.22	480 175946.55
15D+1P	240 88366.01	240 88366.01	256 94257.08	272 100148.15	288 106039.21	304 111930.28	320 117821.35	336 123712.42	352 129603.49	368 135494.55	384 141385.62	400 147276.69	416 153167.76	432 159058.82	448 164949.89	464 170840.96	480 176732.03

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates unit and range RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHD/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKM/RKEM.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHD/RKEHD.

# RAID 6 SAS disk drive capacities (400 GB)

**Table 8-39: RAID 6 SAS Disk Drive Capacities (400 GB)**

Disk capacity	392.73 GB															
Unit	RKS/RKES/RKM/RKEM		RKAK													
Range	1		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Unit	RKAK/RKAKD Note2															
Range	1 Note2		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Total Range	Min.	15 (Max)	30	45	60	75	90	105	120 (Max) Note3	135	150	165	180	195	210	225
2D+2P Note1	4 785.47	12 2356.42	28 5498.32	44 8640.23	60 11782.13	72 14138.56	88 17280.46	104 20422.36	120 23564.27	132 25920.69	148 29062.60	164 32204.50	180 35346.40	192 37702.83	208 40844.73	224 43986.63
3D+2P	5 1178.21	15 3534.64	30 7069.28	45 10603.92	60 14138.56	75 17673.20	90 21207.84	105 24742.48	120 28277.12	135 31811.76	150 35346.40	165 38881.04	180 42415.68	195 45950.32	210 49484.96	225 53019.60
4D+2P	6 1570.95	12 3141.90	30 7854.75	42 10996.65	60 15709.51	72 18851.41	90 23564.27	102 26706.17	120 31419.02	132 34560.93	150 39273.78	162 42415.68	180 47128.54	192 50270.44	210 54983.29	222 58125.20
5D+2P	7 1963.68	14 3927.37	28 7854.75	42 11782.13	56 15709.51	70 19636.89	84 23564.27	105 29455.33	119 33382.71	133 37310.09	147 41237.47	161 45164.85	175 49092.23	189 53019.60	210 58910.67	224 62838.05
6D+2P	8 2356.42	8 2356.42	24 7069.28	40 11782.13	56 16494.98	72 21207.84	88 25920.69	104 30633.55	120 35346.40	128 37702.83	144 42415.68	160 47128.54	176 51841.39	192 56554.25	208 61267.10	224 65979.95
7D+2P	9 2749.16	9 2749.16	27 8247.49	45 13745.82	54 16494.98	72 21993.31	90 27491.64	99 30240.81	117 35739.14	135 41237.47	144 43986.63	162 49484.96	180 54983.29	189 57732.46	207 63230.79	225 68729.12
8D+2P	10 3141.90	10 3141.90	30 9425.70	40 12567.61	60 18851.41	70 21993.31	90 28277.12	100 31419.02	120 37702.83	130 40844.73	150 47128.54	160 50270.44	180 56554.25	190 59696.15	210 65979.95	220 69121.86
9D+2P	11 3534.64	11 3534.64	22 7069.28	44 14138.56	55 17673.20	66 21207.84	88 28277.12	99 31811.76	110 35346.40	132 42415.68	143 45950.32	165 53019.60	176 56554.25	187 60088.89	209 67158.17	220 70692.81
10D+2P	12 3927.37	12 3927.37	24 7854.75	36 11782.13	60 19636.89	72 23564.27	84 27491.64	96 31419.02	120 39273.78	132 43201.16	144 47128.54	156 51055.92	180 58910.67	192 62838.05	204 66765.43	216 70692.81
11D+2P	13 4320.11	13 4320.11	26 8640.23	39 12960.34	52 17280.46	65 21600.58	78 25920.69	104 34560.93	117 38881.04	130 43201.16	143 47521.27	156 51841.39	169 56161.51	195 64801.74	208 69121.86	221 73441.97
12D+2P	14 4712.85	14 4712.85	28 9425.70	42 14138.56	56 18851.41	70 23564.27	84 28277.12	98 32989.97	112 37702.83	126 42415.68	140 47128.54	154 51841.39	168 56554.25	182 61267.10	210 70692.81	224 75405.66
13D+2P	15 5105.59	15 5105.59	30 10211.18	45 15316.77	60 20422.36	75 25527.96	90 30633.55	105 35739.14	120 40844.73	135 45950.32	150 51055.92	165 56161.51	180 61267.10	195 66372.69	210 71478.28	225 76583.88
14D+2P	0 0.00	0 0.00	16 5498.32	32 10996.65	48 16494.98	64 21993.31	80 27491.64	96 32989.97	112 38488.30	128 43986.63	144 49484.96	160 54983.29	176 60481.62	192 65979.95	208 71478.28	224 76976.61
15D+2P	0 0.00	0 0.00	17 5891.06	34 11782.13	51 17673.20	68 23564.27	85 29455.33	102 35346.40	119 41237.47	119 41237.47	136 47128.54	153 53019.60	170 58910.67	187 64801.74	204 70692.81	221 76583.88
16D+2P	0 0.00	0 0.00	18 6283.80	36 12567.61	54 18851.41	72 25135.22	90 31419.02	90 31419.02	108 37702.83	126 43986.63	144 50270.44	162 56554.25	180 62838.05	180 62838.05	198 69121.86	216 75405.66
17D+2P	0 0.00	0 0.00	19 6676.54	38 13353.08	57 20029.63	76 20029.63	95 26706.17	114 33382.71	114 40059.26	133 46735.80	152 46735.80	171 53412.34	190 60088.89	190 66765.43	209 73441.97	209 73441.97
18D+2P	0 0.00	0 0.00	20 7069.28	40 14138.56	60 21207.84	60 21207.84	80 28277.12	100 35346.40	120 42415.68	120 42415.68	140 49484.96	160 56554.25	180 63623.53	180 63623.53	200 70692.81	220 77762.09
19D+2P	0 0.00	0 0.00	21 7462.01	42 14924.03	42 14924.03	63 22386.05	84 29848.07	105 37310.09	105 37310.09	126 44772.11	147 52234.13	147 52234.13	168 59696.15	189 67158.17	210 74620.19	210 74620.19
20D+2P	0 0.00	0 0.00	22 7854.75	44 15709.51	44 15709.51	66 23564.27	88 31419.02	88 31419.02	110 39273.78	132 47128.54	132 47128.54	154 54983.29	176 62838.05	176 62838.05	198 70692.81	220 78547.56
21D+2P	0 0.00	0 0.00	23 8247.49	23 8247.49	46 16494.98	69 24742.48	69 24742.48	92 32989.97	115 41237.47	115 41237.47	138 49484.96	161 57732.46	161 57732.46	184 65979.95	207 74227.45	207 74227.45
22D+2P	0 0.00	0 0.00	24 8640.23	24 8640.23	48 17280.46	72 25920.69	72 25920.69	96 34560.93	120 43201.16	120 43201.16	144 51841.39	144 51841.39	168 60481.62	192 69121.86	192 69121.86	216 77762.09
23D+2P	0 0.00	0 0.00	25 9032.97	25 9032.97	50 18065.94	75 27098.91	75 27098.91	100 36131.88	100 36131.88	125 45164.85	150 54197.82	150 54197.82	175 63230.79	175 63230.79	200 72263.76	225 81296.73
24D+2P	0 0.00	0 0.00	26 9425.70	26 9425.70	52 18851.41	52 18851.41	78 28277.12	104 37702.83	104 37702.83	130 47128.54	130 47128.54	156 56554.25	156 56554.25	182 65979.95	208 75405.66	208 75405.66

**Table 8-39: RAID 6 SAS Disk Drive Capacities (400 GB) (Continued)**

Disk capacity	392.73 GB															
25D+2P	0 0.00	0 0.00	27 9818.44	27 9818.44	54 19636.89	54 19636.89	81 29455.33	81 29455.33	108 39273.78	135 49092.23	135 49092.23	162 58910.67	162 58910.67	189 68729.12	189 68729.12	216 78547.56
26D+2P	0 0.00	0 0.00	28 10211.18	28 10211.18	56 20422.36	56 20422.36	84 30633.55	84 30633.55	112 40844.73	112 40844.73	140 51055.92	140 51055.92	168 61267.10	168 61267.10	196 71478.28	224 81689.47
27D+2P	0 0.00	0 0.00	29 10603.92	29 10603.92	58 21207.84	58 21207.84	87 31811.76	87 31811.76	116 42415.68	116 42415.68	145 53019.60	145 53019.60	174 63623.53	174 63623.53	203 74227.45	203 74227.45
28D+2P	0 0.00	0 0.00	30 10996.65	30 10996.65	60 21993.31	60 21993.31	90 32989.97	90 32989.97	120 43986.63	120 43986.63	150 54983.29	150 54983.29	180 65979.95	180 65979.95	210 76976.61	210 76976.61

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKS/RKES.

**RAID 6 SAS disk drive capacities (400 GB) (continued)**

**Table 8-40: RAID 6 SAS Disk Drive Capacities (400 GB)**

Disk capacity	392.73 GB																
Unit	RKAK																
Range	15	16	17	18	19	20	21	22	23								
Unit	RKAK/ RKAK D Note2																
Range	16 Note2	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range	240 (Max) Note3	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (Max) Note4
2D+2P Note1	240 47128.54	252 49484.96	268 52626.87	284 55768.77	300 58910.67	312 61267.10	328 64409.00	344 67550.91	360 70692.81	372 73049.23	388 76191.14	404 79333.04	420 82474.94	432 84831.37	448 87973.27	464 91115.18	480 94257.08
3D+2P	240 56554.25	255 60088.89	270 63623.53	285 67158.17	300 70692.81	315 74227.45	330 77762.09	345 81296.73	360 84831.37	375 88366.01	390 91900.65	405 95435.29	420 98969.93	435 102504.57	450 106039.21	465 109573.85	480 113108.50
4D+2P	240 62838.05	252 65979.95	270 70692.81	282 73834.71	300 78547.56	312 81689.47	330 86402.32	342 89544.22	360 94257.08	372 97398.98	390 102111.84	402 105253.74	420 109966.59	432 113108.50	450 117821.35	462 120963.25	480 125676.11
5D+2P	238 66765.43	252 70692.81	266 74620.19	280 78547.56	294 82474.94	315 88366.01	329 92293.39	343 96220.77	357 100148.15	371 104075.53	385 108002.90	400 111930.28	420 117821.35	434 121748.73	448 125676.11	462 129603.49	476 133530.86
6D+2P	240 70692.81	248 73049.23	264 77762.09	280 82474.94	296 87187.80	312 91900.65	328 96613.51	344 101326.36	360 106039.21	368 108395.64	384 113108.50	400 117821.35	416 122534.20	432 127247.06	448 131959.91	464 136672.77	480 141385.62
7D+2P	234 71478.28	252 76976.61	270 82474.94	279 85224.11	297 90722.44	315 96220.77	324 98969.93	342 104468.26	360 109966.59	369 112715.76	387 118214.09	405 123712.42	414 126461.58	432 131959.91	450 137458.24	459 140207.41	477 145705.74
8D+2P	240 75405.66	250 78547.56	270 84831.37	280 87973.27	300 94257.08	310 97398.98	330 103682.79	340 106824.69	360 113108.50	370 116250.40	390 122534.20	400 125676.11	420 131959.91	430 135101.82	450 141385.62	460 144527.52	480 150811.33
9D+2P	231 74227.45	253 81296.73	264 84831.37	275 88366.01	297 95435.29	308 98969.93	330 106039.21	341 109573.85	352 113108.50	374 120177.78	385 123712.42	396 127247.06	418 134316.34	429 137850.98	440 141385.62	462 148454.90	473 151989.54
10D+2P	240 78547.56	252 82474.94	264 86402.32	276 90329.70	300 98184.46	312 102111.84	324 106039.21	336 109966.59	360 117821.35	372 121748.73	384 125676.11	396 129603.49	420 137458.24	432 141385.62	444 145313.00	456 149240.38	480 157095.13
11D+2P	234 77762.09	247 82082.21	260 86402.32	273 90722.44	299 99362.67	312 103682.79	325 108002.90	338 112323.02	351 116643.14	364 120963.25	390 129603.49	403 133923.60	416 138243.72	429 142563.83	442 146883.95	455 151204.07	468 155524.18
12D+2P	238 80118.52	252 84831.37	266 89544.22	280 94257.08	294 98969.93	308 103682.79	322 108395.64	336 113108.50	350 117821.35	364 122534.20	378 127247.06	392 131959.91	420 141385.62	434 146098.47	448 150811.33	462 155524.18	476 160237.04
13D+2P	240 81689.47	255 86795.06	270 91900.65	285 97006.24	300 102111.84	315 107217.43	330 112323.02	345 117428.61	360 122534.20	375 127639.80	390 132745.39	405 137850.98	420 142956.57	435 148062.16	450 153167.76	465 158273.35	480 163378.94
14D+2P	240 82474.94	240 82474.94	256 87973.27	272 93471.60	288 98969.93	304 104468.26	320 109966.59	336 115464.92	352 120963.25	368 126461.58	384 131959.91	400 137458.24	416 142956.57	432 148454.90	448 153953.23	464 159451.56	480 164949.89

**Table 8-40: RAID 6 SAS Disk Drive Capacities (400 GB) (Continued)**

Disk capacity	392.73 GB																
15D+2P	238 82474.94	255 88366.01	255 88366.01	272 94257.08	289 100148.15	306 106039.21	323 111930.28	340 117821.35	357 123712.42	374 129603.49	374 129603.49	391 135494.55	408 141385.62	425 147276.69	442 153167.76	459 159058.82	476 164949.89
16D+2P	234 81689.47	252 87973.27	270 94257.08	270 94257.08	288 100540.88	306 106824.69	324 113108.50	342 119392.30	360 125676.11	360 125676.11	378 131959.91	396 138243.72	414 144527.52	432 150811.33	450 157095.13	450 157095.13	468 163378.94
17D+2P	228 80118.52	247 86795.06	266 93471.60	285 100148.15	285 100148.15	304 106824.69	323 113501.23	342 120177.78	342 120177.78	361 126854.32	380 133530.86	399 140207.41	418 146883.95	418 146883.95	437 153560.49	456 160237.04	475 166913.58
18D+2P	240 84831.37	240 84831.37	260 91900.65	280 98969.93	300 106039.21	300 106039.21	320 113108.50	340 120177.78	360 127247.06	360 127247.06	380 134316.34	400 141385.62	420 148454.90	420 148454.90	440 155524.18	460 162593.46	480 169662.75
19D+2P	231 82082.21	252 89544.22	252 89544.22	273 97006.24	294 104468.26	315 111930.28	315 111930.28	336 119392.30	357 126854.32	357 126854.32	378 134316.34	399 141778.36	420 149240.38	420 149240.38	441 156702.40	462 164164.42	462 164164.42
20D+2P	220 78547.56	242 86402.32	264 94257.08	264 94257.08	286 102111.84	308 109966.59	330 117821.35	330 117821.35	352 125676.11	374 133530.86	374 133530.86	396 141385.62	418 149240.38	418 149240.38	440 157095.13	462 164949.89	462 164949.89
21D+2P	230 82474.94	253 90722.44	253 90722.44	276 98969.93	299 107217.43	299 107217.43	322 115464.92	345 123712.42	345 123712.42	368 131959.91	368 131959.91	391 140207.41	414 148454.90	414 148454.90	437 156702.40	460 164949.89	460 164949.89
22D+2P	240 86402.32	240 86402.32	264 95042.55	264 95042.55	288 103682.79	312 112323.02	312 112323.02	336 120963.25	360 129603.49	360 129603.49	384 138243.72	384 138243.72	408 146883.95	432 155524.18	432 155524.18	456 164164.42	480 172804.65
23D+2P	225 81296.73	250 90329.70	250 90329.70	275 99362.67	300 108395.64	300 108395.64	325 117428.61	325 117428.61	350 126461.58	375 135494.55	375 135494.55	400 144527.52	400 144527.52	425 153560.49	450 162593.46	450 162593.46	475 171626.44
24D+2P	234 84831.37	234 84831.37	260 94257.08	260 94257.08	286 103682.79	312 113108.50	312 113108.50	338 122534.20	338 122534.20	364 131959.91	390 141385.62	390 141385.62	416 150811.33	416 150811.33	442 160237.04	442 160237.04	468 169662.75
25D+2P	216 78547.56	243 88366.01	270 98184.46	270 98184.46	297 108002.90	297 108002.90	324 117821.35	324 117821.35	351 127639.80	351 127639.80	378 137458.24	405 147276.69	405 147276.69	432 157095.13	432 157095.13	459 166913.58	459 166913.58
26D+2P	224 81689.47	252 91900.65	252 91900.65	280 102111.84	280 102111.84	308 112323.02	308 112323.02	336 122534.20	336 122534.20	364 132745.39	364 132745.39	392 142956.57	420 153167.76	420 153167.76	448 163378.94	448 163378.94	476 173590.12
27D+2P	232 84831.37	232 84831.37	261 95435.29	261 95435.29	290 106039.21	290 106039.21	319 116643.14	319 116643.14	348 127247.06	348 127247.06	377 137850.98	377 137850.98	406 148454.90	435 159058.82	435 159058.82	464 169662.75	464 169662.75
28D+2P	240 87973.27	240 87973.27	270 98969.93	270 98969.93	300 109966.59	300 109966.59	330 120963.25	330 120963.25	360 129603.49	360 129603.49	390 142956.57	390 142956.57	420 153953.23	420 153953.23	450 164949.89	450 164949.89	480 175946.55

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKM/RKEM

**Note 4:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

## RAID 1+0 SAS disk drive capacities (400 GB)

Table 8-41: RAID 1+0 SAS Disk Drive Capacities (400 GB)

Disk capacity	392.73 GB															
Unit	RKS/RKES/ RKM/RKEM	RKAK														
Range	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Unit	RKAK/ RKAKD Note2															
Range	1 Note2	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Total Range	Min.	15 (Max)	30	45	60	75	90	105	120 (Max) Note3	135	150	165	180	195	210	225
2D+2D Note1	4 785.47	12 2356.42	28 5498.32	44 8640.23	60 11782.13	72 14138.56	88 17280.46	104 20422.36	120 23564.27	132 25920.69	148 29062.60	164 32204.50	180 35346.40	192 37702.83	208 40844.73	224 43986.63
3D+3D	6 1178.21	12 2356.42	30 5891.06	42 8247.49	60 11782.13	72 14138.56	90 17673.20	102 20029.63	120 23564.27	132 25920.69	150 29455.33	162 31811.76	180 35346.40	192 37702.83	210 41237.47	222 43593.90
4D+4D	8 1570.95	8 1570.95	24 4712.85	40 7854.75	56 10996.65	72 14138.56	88 17280.46	104 20422.36	120 23564.27	128 25135.22	144 28277.12	160 31419.02	176 34560.93	192 37702.83	208 40844.73	224 43986.63
5D+5D	10 1963.68	10 1963.68	30 5891.06	40 7854.75	60 11782.13	70 13745.82	90 17673.20	100 19636.89	120 23564.27	130 25527.96	150 29455.33	160 31419.02	180 35346.40	190 37310.09	210 41237.47	220 43201.16
6D+6D	12 2356.42	12 2356.42	24 4712.85	36 7069.28	60 11782.13	72 14138.56	84 16494.98	96 18851.41	120 23564.27	132 25920.69	144 28277.12	156 30633.55	180 35346.40	192 37702.83	204 40059.26	216 42415.68
7D+7D	14 2749.16	14 2749.16	28 5498.32	42 8247.49	56 10996.65	70 13745.82	84 16494.98	98 19244.15	112 21993.31	126 24742.48	140 27491.64	154 30240.81	168 32989.97	182 35739.14	210 41237.47	224 43986.63
8D+8D	0 0.00	0 0.00	16 3141.90	32 6283.80	48 9425.70	64 12567.61	80 15709.51	96 18851.41	112 21993.31	128 25135.22	144 28277.12	160 31419.02	176 34560.93	192 37702.83	208 40844.73	224 43986.63

**Table 8-42: RAID 1+0 SAS Disk Drive Capacities (400 GB)**

Disk capacity	392.73 GB																
Unit	RKAK																
Range	15	16	17	18	19	20	21	22	23								
Unit	RKAK/ RKAKD Note2																
Range	16 Note2	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range	240 (Max) Note4	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (Max) Note5
2D+2D Note1	240 47128.54	252 49484.96	268 52626.87	284 55768.77	300 58910.67	312 61267.10	328 64409.00	344 67550.91	360 70692.81	372 73049.23	388 76191.14	404 79333.04	420 82474.94	432 84831.37	448 87973.27	464 91115.18	480 94257.08
3D+3D	240 47128.54	252 49484.96	270 53019.60	282 55376.03	300 58910.67	312 61267.10	330 64801.74	342 67158.17	360 70692.81	372 73049.23	390 76583.88	402 78940.30	420 82474.94	432 84831.37	450 88366.01	462 90722.44	480 94257.08
4D+4D	240 47128.54	248 48699.49	264 51841.39	280 54983.29	296 58125.20	312 61267.10	328 64409.00	344 67550.91	360 70692.81	368 72263.76	384 75405.66	400 78547.56	416 81689.47	432 84831.37	448 87973.27	464 91115.18	480 94257.08
5D+5D	240 47128.54	250 49092.23	270 53019.60	280 54983.29	300 58910.67	310 60874.36	330 64801.74	340 66765.43	360 70692.81	370 72656.50	390 76583.88	400 78547.56	420 82474.94	430 84438.63	450 88366.01	460 90329.70	480 94257.08
6D+6D	240 47128.54	252 49484.96	264 51841.39	276 54197.82	300 58910.67	312 61267.10	324 63623.53	336 65979.95	360 70692.81	372 73049.23	384 75405.66	396 77762.09	420 82474.94	432 84831.37	444 87187.80	456 89544.22	480 94257.08
7D+7D	238 46735.80	252 49484.96	266 52234.13	280 54983.29	294 57732.46	308 60481.62	322 63230.79	336 65979.95	350 68729.12	364 71478.28	378 74227.45	392 76976.61	420 82474.94	434 85224.11	448 87973.27	462 90722.44	476 93471.60
8D+8D	240 47128.54	240 47128.54	256 50270.44	272 53412.34	288 56554.25	304 59696.15	320 62838.05	336 65979.95	352 69121.86	368 72263.76	384 75405.66	400 78547.56	416 81689.47	432 84831.37	448 87973.27	464 91115.18	480 94257.08

**Note 1:** D: data disk.

**Note 2:** Indicates unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKS/RKES.

**Note 4:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKM/RKEM.

**Note 5:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

## RAID 0 SAS disk drive capacities (450 GB)

**Table 8-43: RAID 0 SAS Disk Drive Capacities (450 GB)**

Disk capacity	439.44 GB															
Unit	RKS/RKES/RKM/RKEM		RKAK													
Range	15		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Unit	RKAK/RKAKD Note2															
Range	1 Note2		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Total Range	Min.	15 (Max)	30	45	60	75	90	105	120 (Max) Note3	135	150	165	180	195	210	225
2D Note1	2 878.89	14 6152.23	30 13183.36	44 19335.60	60 26366.73	74 32518.97	90 39550.10	104 45702.34	120 52733.47	134 58885.71	150 65916.84	164 72069.08	180 79100.21	194 85252.45	210 92283.57	224 98435.81
3D	3 1318.33	15 6591.68	30 13183.36	45 19775.05	60 26366.73	75 32958.42	90 39550.10	105 46141.78	120 52733.47	135 59325.15	150 65916.84	165 72508.52	180 79100.21	195 85691.89	210 92283.57	225 98875.26
4D	4 1757.78	12 5273.34	28 12304.47	44 19335.60	60 26366.73	72 31640.08	88 38671.21	104 45702.34	120 52733.47	132 58006.82	148 65037.95	164 72069.08	180 79100.21	192 84373.55	208 91404.68	224 98435.81
5D	5 2197.22	15 6591.68	30 13183.36	45 19775.05	60 26366.73	75 32958.42	90 39550.10	105 46141.78	120 52733.47	135 59325.15	150 65916.84	165 72508.52	180 79100.21	195 85691.89	210 92283.57	225 98875.26
6D	6 2636.67	12 5273.34	30 13183.36	42 18456.71	60 26366.73	72 31640.08	90 39550.10	102 44823.45	120 52733.47	132 58006.82	150 65916.84	162 71190.19	180 79100.21	192 84373.55	210 92283.57	222 97556.92
7D	7 3076.11	14 6152.23	28 12304.47	42 18456.71	56 24608.95	70 30761.19	84 36913.43	105 46141.78	119 52294.02	133 58446.26	147 64598.50	161 70750.74	175 76902.98	189 83055.22	210 92283.57	224 98435.81
8D	8 3515.56	8 3515.56	24 10546.69	40 17577.82	56 24608.95	72 31640.08	88 38671.21	104 45702.34	120 52733.47	128 56249.03	144 63280.16	160 70311.29	176 77342.42	192 84373.55	208 91404.68	224 98435.81
9D	9 3955.01	9 3955.01	27 11865.03	45 19775.05	54 23730.06	72 31640.08	90 39550.10	99 43505.11	117 51415.13	135 59325.15	144 63280.16	162 71190.19	180 79100.21	189 83055.22	207 90965.24	225 98875.26
10D	10 4394.45	10 4394.45	30 13183.36	40 17577.82	60 26366.73	70 30761.19	90 39550.10	100 43944.56	120 52733.47	130 57127.93	150 65916.84	160 70311.29	180 79100.21	190 83494.66	210 92283.57	220 96678.03
11D	11 4833.90	11 4833.90	22 9667.80	44 19335.60	55 24169.50	66 29003.41	88 38671.21	99 43505.11	110 48339.01	132 58006.82	143 62840.72	165 72508.52	176 77342.42	187 82176.33	209 91844.13	220 96678.03
12D	12 5273.34	12 5273.34	24 10546.69	36 15820.04	60 26366.73	72 31640.08	84 36913.43	96 42186.77	120 52733.47	132 58006.82	144 63280.16	156 68553.51	180 79100.21	192 84373.55	204 89646.90	216 94920.25
13D	13 5712.79	13 5712.79	26 11425.58	39 17138.37	52 22851.17	65 28563.96	78 34276.75	104 45702.34	117 51415.13	130 57127.93	143 62840.72	156 68553.51	169 74266.30	195 85691.89	208 91404.68	221 97117.48
14D	14 6152.23	14 6152.23	28 12304.47	42 18456.71	56 24608.95	70 30761.19	84 36913.43	98 43065.67	112 49217.90	126 55370.14	140 61522.38	154 67674.62	168 73828.86	182 79979.10	210 92283.57	224 98435.81
15D	15 6591.68	15 6591.68	30 13183.36	45 19775.05	60 26366.73	75 32958.42	90 39550.10	105 46141.78	120 52733.47	135 59325.15	150 65916.84	165 72508.52	180 79100.21	195 85691.89	210 92283.57	225 98875.26
16D	0 0.00	0 0.00	16 7031.12	32 14062.25	48 21093.38	64 28124.51	80 35155.64	96 42186.77	112 49217.90	128 56249.03	144 63280.16	160 70311.29	176 77342.42	192 84373.55	208 91404.68	224 98435.81

**Note 1:** D: data disk.

**Note 2:** Indicates unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHD/RKEHD.

**Note 3:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKS/RKES.

# RAID 0 SAS disk drive capacities (450 GB) (continued)

**Table 8-44: RAID 0 SAS Disk Drive Capacities (450 GB)**

Disk capacity	439.44 GB																
Unit	RKAK																
Range	15	16	17	18	19	20	21	22	23								
Unit	RKAK Note2																
Range	16 Note2	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range	240 (Max) Note3	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (Max) Note4
2D Note1	240 105466.94	254 111619.18	270 118650.31	284 124802.55	300 131833.68	314 137985.92	330 145017.05	344 151169.29	360 158200.42	374 164352.66	390 171383.79	404 177536.02	420 184567.15	434 190719.39	450 197750.52	464 203902.76	480 210933.89
3D	240 105466.94	255 112058.63	270 118650.31	285 125242.00	300 131833.68	315 138425.36	330 145017.05	345 151608.73	360 158200.42	375 164792.10	390 171383.79	405 177975.47	420 184567.15	435 191158.84	450 197750.52	465 204342.21	480 210933.89
4D	240 105466.94	252 110740.29	268 117771.42	284 124802.55	300 131833.68	312 137107.03	328 144138.16	344 151169.29	360 158200.42	372 163473.77	388 170504.90	404 177536.02	420 184567.15	432 189840.50	448 196871.63	464 203902.76	480 210933.89
5D	240 105466.94	255 112058.63	270 118650.31	285 125242.00	300 131833.68	315 138425.36	330 145017.05	345 151608.73	360 158200.42	375 164792.10	390 171383.79	405 177975.47	420 184567.15	435 191158.84	450 197750.52	465 204342.21	480 210933.89
6D	240 105466.94	252 110740.29	270 118650.31	282 123923.66	300 131833.68	312 137107.03	330 145017.05	342 150290.40	360 158200.42	372 163473.77	390 171383.79	402 176657.13	420 184567.15	432 189840.50	450 197750.52	462 203023.87	480 210933.89
7D	238 104588.05	252 110740.29	266 116892.53	280 123044.77	294 129197.01	315 138425.36	329 144577.60	343 150729.84	357 156882.08	371 163034.32	385 169186.56	399 175338.80	420 184567.15	434 190719.39	448 196871.63	462 203023.87	476 209176.11
8D	240 105466.94	248 108982.51	264 116013.64	280 123044.77	296 130075.90	312 137107.03	328 144138.16	344 151169.29	360 158200.42	368 161715.98	384 168747.11	400 175778.24	416 182809.37	432 189840.50	448 196871.63	464 203902.76	480 210933.89
9D	234 102830.27	252 110740.29	270 118650.31	279 122605.32	297 130515.34	315 138425.36	324 142380.38	342 150290.40	360 158200.42	369 162155.43	387 170065.45	405 177975.47	414 181930.48	432 189840.50	450 197750.52	459 201705.53	477 209615.56
10D	240 105466.94	250 109861.40	270 118650.31	280 123044.77	300 131833.68	310 136228.14	330 145017.05	340 149411.51	360 158200.42	370 162594.87	390 171383.79	400 175778.24	420 184567.15	430 188961.61	450 197750.52	460 202144.98	480 210933.89
11D	231 101511.93	253 111179.74	264 116013.64	275 120847.54	297 130515.34	308 135349.25	330 145017.05	341 149850.95	352 154684.85	374 164352.66	385 169186.56	396 174020.46	418 183688.26	429 188522.17	440 193356.07	462 203023.87	473 207857.77
12D	240 105466.94	252 110740.29	264 116013.64	276 121286.99	300 131833.68	312 137107.03	324 142380.38	336 147653.72	360 158200.42	372 163473.77	384 168747.11	396 174020.46	420 184567.15	432 189840.50	444 195113.85	456 200387.20	480 210933.89
13D	234 102830.27	247 108543.06	260 114255.86	273 119968.65	299 131394.23	312 137107.03	325 142819.82	338 148532.61	351 154245.41	364 159958.20	390 171383.79	403 177096.58	416 182809.37	429 188522.17	442 194234.96	455 199947.75	468 205660.54
14D	238 104588.05	252 110740.29	266 116892.53	280 123044.77	294 129197.01	308 135349.25	322 141501.48	336 147653.72	350 153805.96	364 159958.20	378 166110.44	392 172262.68	420 184567.15	434 190719.39	448 196871.63	462 203023.87	476 209176.11
15D	240 105466.94	255 112058.63	270 118650.31	285 125242.00	300 131833.68	315 138425.36	330 145017.05	345 151608.73	360 158200.42	375 164792.10	390 171383.79	405 177975.47	420 184567.15	435 191158.84	450 197750.52	465 204342.21	480 210933.89
16D	240 105466.94	240 105466.94	256 112498.07	272 119529.20	288 126560.33	304 133591.46	320 140622.59	336 147653.72	352 154684.85	368 161715.98	384 168747.11	400 175778.24	416 182809.37	432 189840.50	448 196871.63	464 203902.76	480 210933.89

**Note 1:** D: data disk.

**Note 2:** Indicates unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKM/RKEM.

**Note 4:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

## RAID 1 SAS disk drive capacities (450 GB)

Table 8-45: RAID 1 SAS Capacities (450 GB)

Disk capacity	439.44 GB															
Unit	RKS/RKES/RKM/RKEM		RKAK													
Range	1		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Unit	RKAK/RKAKD Note2															
Range	1 Note2		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Total Range	Min.	15 (Max)	30	45	60	75	90	105	120 (Max) Note3	135	150	165	180	195	210	225
1D+1D	2	14	30	44	60	74	90	104	120	134	150	164	180	194	210	224
Note1	439.44	3076.11	6591.68	9667.80	13183.36	16259.48	19775.05	22851.17	26366.73	29442.85	32958.42	36034.54	39550.10	42626.22	46141.78	49217.90

Disk capacity	439.44 GB																
Unit	RKAK																
Range	15	16	17	18	19	20	21	22	23								
Unit	RKAK Note2																
Range	16 Note2	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range	240 (Max) Note4	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (Max) Note5
1D+1D	240	254	270	284	300	314	330	344	360	374	390	404	420	434	450	464	480
Note1	52733.47	55809.59	59325.15	62401.27	65916.84	68992.96	72508.52	75584.64	79100.21	82176.33	85691.89	88768.01	92283.57	95359.69	98875.26	101951.38	105466.94

**Note 1:** D: data disk.

**Note 2:** Indicates unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKS/RKES.

**Note 4:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKM/RKEM.

**Note 5:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

# RAID 5 SAS disk drive capacities (450 GB)

**Table 8-46: RAID 5 SAS Disk Drive Capacities (450 GB)**

Disk capacity	439.44 GB															
Unit	RKS/RKES/ RKM/RKEM	RKAK														
Range	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Unit	RKAK/RKAKD Note2															
Range	1 Note2		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Total Range	Min.	15 (Max)	30	45	60	75	90	105	120 (Max) Note3	135	150	165	180	195	210	225
2D+1P	3	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
Note1	878.89	4394.45	8788.91	13183.36	17577.82	21972.28	26366.73	30761.19	35155.64	39550.10	43944.56	48339.01	52733.47	57127.93	61522.38	65916.84
3D+1P	4	12	28	44	60	72	88	104	120	132	148	164	180	192	208	224
	1318.33	3955.01	9228.35	14501.70	19775.05	23730.06	29003.41	34276.75	39550.10	43505.11	48778.46	54051.81	59325.15	63280.16	68553.51	73826.86
4D+1P	5	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
	1757.78	5273.34	10546.69	15820.04	21093.38	26366.73	31640.08	36913.43	42186.77	47460.12	52733.47	58006.82	63280.16	68553.51	73826.86	79100.21
5D+1P	6	12	30	42	60	72	90	102	120	132	150	162	180	192	210	222
	2197.22	4394.45	10986.14	15380.59	21972.28	26366.73	32958.42	37352.87	43944.56	48339.01	54930.70	59325.15	65916.84	70311.29	76902.98	81297.43
6D+1P	7	14	28	42	56	70	84	105	119	133	147	161	175	189	210	224
	2636.67	5273.34	10546.69	15820.04	21093.38	26366.73	31640.08	39550.10	44823.45	50096.80	55370.14	60643.49	65916.84	71190.19	79100.21	84373.55
7D+1P	8	8	24	40	56	72	88	104	120	128	144	160	176	192	208	224
	3076.11	3076.11	9228.35	15380.59	21532.83	27685.07	33837.31	39989.55	46141.78	49217.90	55370.14	61522.38	67674.62	73826.86	79979.10	86131.34
8D+1P	9	9	27	45	54	72	90	99	117	135	144	162	180	189	207	225
	3515.56	3515.56	10546.69	17577.82	21093.38	28124.51	35155.64	38671.21	45702.34	52733.47	56249.03	63280.16	70311.29	73826.86	80857.99	87889.12
9D+1P	10	10	30	40	60	70	90	100	120	130	150	160	180	190	210	220
	3955.01	3955.01	11865.03	15820.04	23730.06	27685.07	35595.09	39550.10	47460.12	51415.13	59325.15	63280.16	71190.19	75145.20	83055.22	87010.23
10D+1P	11	11	22	44	55	66	88	99	110	132	143	165	176	187	209	220
	4394.45	4394.45	8788.91	17577.82	21972.28	26366.73	35155.64	39550.10	43944.56	52733.47	57127.93	65916.84	70311.29	74705.75	83494.66	87889.12
11D+1P	12	12	24	36	60	72	84	96	120	132	144	156	180	192	204	216
	4833.90	4833.90	9667.80	14501.70	24169.50	29003.41	33837.31	38671.21	48339.01	53172.91	58006.82	62840.72	72508.52	77342.42	82176.33	87010.23
12D+1P	13	13	26	39	52	65	78	104	117	130	143	156	169	195	208	221
	5273.34	5273.34	10546.69	15820.04	21093.38	26366.73	31640.08	42186.77	47460.12	52733.47	58006.82	63280.16	68553.51	79100.21	84373.55	89646.90
13D+1P	14	14	28	42	56	70	84	98	112	126	140	154	168	182	210	224
	5712.79	5712.79	11425.58	17138.37	22851.17	28563.96	34276.75	39989.55	45702.34	51415.13	57127.93	62840.72	68553.51	74266.30	85691.89	91404.68
14D+1P	15	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
	6152.23	6152.23	12304.47	18456.71	24608.95	30761.19	36913.43	43065.67	49217.90	55370.14	61522.38	67674.62	73826.86	79979.10	86131.34	92283.57
15D+1P	0	0	16	32	48	64	80	96	112	128	144	160	176	192	208	224
	0.00	0.00	6591.68	13183.36	19775.05	26366.73	32958.42	39550.10	46141.78	52733.47	59325.15	65916.84	72508.52	79100.21	85691.89	92283.57

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKS/RKES.

# RAID 5 SAS disk drive capacities (450 GB) (continued)

**Table 8-47: RAID 5 SAS Disk Drive Capacities (450 GB)**

Disk capacity	439.44 GB																
Unit	RKAK																
Range	15	16	17	18	19	20	21	22	23								
Unit	RKAK/ RKAKD Note2																
Range	16 Note2	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range	240 (Max) Note3	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (Max) Note4
2D+1P Note1	240 70311.29	255 74705.75	270 79100.21	285 83494.66	300 87889.12	315 92283.57	330 96678.03	345 101072.49	360 105466.94	375 109861.40	390 114255.86	405 118650.31	420 123044.77	435 127439.22	450 131833.68	465 136228.14	480 140622.59
3D+1P	240 79100.21	252 83055.22	268 88328.56	284 93601.91	300 98875.26	312 102830.27	328 108103.62	344 113376.96	360 118650.31	372 122605.32	388 127878.67	404 133152.02	420 138425.36	432 142380.38	448 147653.72	464 152927.07	480 158200.42
4D+1P	240 84373.55	255 89646.90	270 94920.25	285 100193.60	300 105466.94	315 110740.29	330 116013.64	345 121286.99	360 126560.33	375 131833.68	390 137107.03	405 142380.38	420 147653.72	435 152927.07	450 158200.42	465 163473.77	480 168747.11
5D+1P	240 87889.12	252 92283.57	270 98875.26	282 103269.72	300 109861.40	312 114255.86	330 120847.54	342 125242.00	360 131833.68	372 136228.14	390 142819.82	402 147214.28	420 153805.96	432 158200.42	450 164792.10	462 169186.56	480 175778.24
6D+1P	238 89646.90	252 94920.25	266 100193.60	280 105466.94	294 110740.29	315 118650.31	329 123923.66	343 129197.01	357 134470.35	371 139743.70	385 145017.05	399 150290.40	420 158200.42	434 163473.77	448 168747.11	462 174020.46	476 179293.81
7D+1P	240 92283.57	248 95359.69	264 101511.93	280 107664.17	296 113816.41	312 119968.65	328 126120.89	344 132273.13	360 138425.36	368 141501.48	384 147653.72	400 153805.96	416 159958.20	432 166110.44	448 172262.68	464 178414.92	480 184567.15
8D+1P	234 91404.68	252 98435.81	270 105466.94	279 108982.51	297 116013.64	315 123044.77	324 126560.33	342 133591.46	360 140622.59	369 144138.16	387 151169.29	405 158200.42	414 161715.98	432 168747.11	450 175778.24	459 179293.81	477 186324.94
9D+1P	240 94920.25	250 98875.26	270 106785.28	280 110740.29	300 118650.31	310 122605.32	330 130515.34	340 134470.35	360 142380.38	370 146335.39	390 154245.41	400 158200.42	420 166110.44	430 170065.45	450 177975.47	460 181930.48	480 189840.50
10D+1P	231 92283.57	253 101072.49	264 105466.94	275 109861.40	297 118650.31	308 123044.77	330 131833.68	341 136228.14	352 140622.59	374 149411.51	385 153805.96	396 158200.42	418 166989.33	429 171383.79	440 175778.24	462 184567.15	473 188961.61
11D+1P	240 96678.03	252 101511.93	264 106345.83	276 111179.74	300 120847.54	312 125681.44	324 130515.34	336 135349.25	360 145017.05	372 149850.95	384 154684.85	396 159518.75	420 169186.56	432 174020.46	444 178854.36	456 183688.26	480 193356.07
12D+1P	234 94920.25	247 100193.60	260 105466.94	273 110740.29	299 121286.99	312 126560.33	325 131833.68	338 137107.03	351 142380.38	364 147653.72	390 158200.42	403 163473.77	416 168747.11	429 174020.46	442 179293.81	455 184567.15	468 189840.50
13D+1P	238 97117.48	252 102830.27	266 108543.06	280 114255.86	294 119968.65	308 125681.44	322 131394.23	336 137107.03	350 142819.82	364 148532.61	378 154245.41	392 159958.20	420 171383.79	434 177096.58	448 182809.37	462 188522.17	476 194234.96
14D+1P	240 98435.81	255 104588.05	270 110740.29	285 116892.53	300 123044.77	315 129197.01	330 135349.25	345 141501.48	360 147653.72	375 153805.96	390 159958.20	405 166110.44	420 172262.68	435 178414.92	450 184567.15	465 190719.39	480 196871.63
15D+1P	240 98875.26	240 98875.26	256 105466.94	272 112058.63	288 118650.31	304 125242.00	320 131833.68	336 138425.36	352 145017.05	368 151608.73	384 158200.42	400 164792.10	416 171383.79	432 177975.47	448 184567.15	464 191158.84	480 197750.52

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKM/RKEM.

**Note 4:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

# RAID 6 SAS disk drive capacities (450 GB)

**Table 8-48: RAID 6 SAS Disk Drive Capacities (450 GB)**

Disk capacity	439.44 GB															
Unit	RKS/RKES/RKM/RKEM		RKAK													
Range	1		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Unit	RKAK/RKAKD Note2															
Range	1 Note2		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Total Range	Min.	15 (Max)	30	45	60	75	90	105	120 (Max) Note3	135	150	165	180	195	210	225
2D+2P	4	12	28	44	60	72	88	104	120	132	148	164	180	192	208	224
Note1	878.89	2636.67	6152.23	9667.80	13183.36	15820.04	19335.60	22851.17	26366.73	29003.41	32518.97	36034.54	39550.10	42186.77	45702.34	49217.90
3D+2P	5	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
	1318.33	3955.01	7910.02	11865.03	15820.04	19775.05	23730.06	27685.07	31640.08	35595.09	39550.10	43505.11	47460.12	51415.13	55370.14	59325.15
4D+2P	6	12	30	42	60	72	90	102	120	132	150	162	180	192	210	222
	1757.78	3515.56	8788.91	12304.47	17577.82	21093.38	26366.73	29882.30	35155.64	38671.21	43944.56	47460.12	52733.47	56249.03	61522.38	65037.95
5D+2P	7	14	28	42	56	70	84	105	119	133	147	161	175	189	210	224
	2197.22	4394.45	8788.91	13183.36	17577.82	21972.28	26366.73	32958.42	37352.87	41747.33	46141.78	50536.24	54930.70	59325.15	65916.84	70311.29
6D+2P	8	8	24	40	56	72	88	104	120	128	144	160	176	192	208	224
	2636.67	2636.67	7910.02	13183.36	18456.71	23730.06	29003.41	34276.75	39550.10	42186.77	47460.12	52733.47	58006.82	63280.16	68553.51	73826.86
7D+2P	9	9	27	45	54	72	90	99	117	135	144	162	180	189	207	225
	3076.11	3076.11	9228.35	15380.59	18456.71	24608.95	30761.19	33837.31	39989.55	46141.78	49217.90	55370.14	61522.38	64598.50	70750.74	76902.98
8D+2P	10	10	30	40	60	70	90	100	120	130	150	160	180	190	210	220
	3515.56	3515.56	10546.69	14062.25	21093.38	24608.95	31640.08	35155.64	42186.77	45702.34	52733.47	56249.03	63280.16	66795.73	73826.86	77342.42
9D+2P	11	11	22	44	55	66	88	99	110	132	143	165	176	187	209	220
	3955.01	3955.01	7910.02	15820.04	19775.05	23730.06	31640.08	35595.09	39550.10	47460.12	51415.13	59325.15	63280.16	67235.17	75145.20	79100.21
10D+2P	12	12	24	36	60	72	84	96	120	132	144	156	180	192	204	216
	4394.45	4394.45	8788.91	13183.36	21972.28	26366.73	30761.19	35155.64	43944.56	48339.01	52733.47	57127.93	65916.84	70311.29	74705.75	79100.21
11D+2P	13	13	26	39	52	65	78	104	117	130	143	156	169	195	208	221
	4833.90	4833.90	9667.80	14501.70	19335.60	24169.50	29003.41	38671.21	43505.11	48339.01	53172.91	58006.82	62840.72	72508.52	82176.33	82176.33
12D+2P	14	14	28	42	56	70	84	98	112	126	140	154	168	182	210	224
	5273.34	5273.34	10546.69	15820.04	21093.38	26366.73	31640.08	36913.43	42186.77	47460.12	52733.47	58006.82	63280.16	68553.51	79100.21	84373.55
13D+2P	15	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
	5712.79	5712.79	11425.58	17138.37	22851.17	28563.96	34276.75	39989.55	45702.34	51415.13	57127.93	62840.72	68553.51	74266.30	79979.10	85691.89
14D+2P	0	0	16	32	48	64	80	96	112	128	144	160	176	192	208	224
	0.00	0.00	6152.23	12304.47	18456.71	24608.95	30761.19	36913.43	43065.67	49217.90	55370.14	61522.38	67674.62	73826.86	79979.10	86131.34
15D+2P	0	0	17	34	51	68	85	102	119	119	136	153	170	187	204	221
	0.00	0.00	6591.68	13183.36	19775.05	26366.73	32958.42	39550.10	46141.78	46141.78	52733.47	59325.15	65916.84	72508.52	79100.21	85691.89
16D+2P	0	0	18	36	54	72	90	90	108	126	144	162	180	180	198	216
	0.00	0.00	7031.12	14062.25	21093.38	28124.51	35155.64	35155.64	42186.77	49217.90	56249.03	63280.16	70311.29	70311.29	77342.42	84373.55
17D+2P	0	0	19	38	57	76	95	114	133	133	152	171	190	209	209	
	0.00	0.00	7470.57	14941.15	22411.72	22411.72	29882.30	37352.87	44823.45	52294.02	52294.02	59764.60	67235.17	74705.75	82176.33	82176.33
18D+2P	0	0	20	40	60	80	100	100	120	120	140	160	180	180	200	220
	0.00	0.00	7910.02	15820.04	23730.06	23730.06	31640.08	39550.10	47460.12	47460.12	55370.14	63280.16	71190.19	71190.19	79100.21	87010.23
19D+2P	0	0	21	42	63	84	105	105	126	147	147	168	189	210	210	
	0.00	0.00	8349.46	16698.93	16698.93	25048.40	33397.86	41747.33	41747.33	50096.80	58446.26	58446.26	66795.73	75145.20	83494.66	83494.66
20D+2P	0	0	22	44	66	88	88	110	132	132	154	176	176	198	220	
	0.00	0.00	8788.91	17577.82	17577.82	26366.73	35155.64	35155.64	43944.56	52733.47	52733.47	61522.38	70311.29	70311.29	79100.21	87889.12
21D+2P	0	0	23	23	46	69	69	92	115	115	138	161	184	207	207	
	0.00	0.00	9228.35	9228.35	18456.71	27685.07	27685.07	36913.43	46141.78	46141.78	55370.14	64598.50	64598.50	73826.86	83055.22	83055.22
22D+2P	0	0	24	24	48	72	72	96	120	120	144	144	168	192	192	216
	0.00	0.00	9667.80	9667.80	19335.60	29003.41	29003.41	38671.21	48339.01	48339.01	58006.82	58006.82	67674.62	77342.42	77342.42	87010.23
23D+2P	0	0	25	25	50	75	75	100	100	125	150	150	175	175	200	225
	0.00	0.00	10107.24	10107.24	20214.49	30321.74	30321.74	40428.99	40428.99	50536.24	60643.49	60643.49	70750.74	70750.74	80857.99	90965.24
24D+2P	0	0	26	26	52	52	78	104	104	130	130	156	156	182	208	208

**Table 8-48: RAID 6 SAS Disk Drive Capacities (450 GB) (Continued)**

Disk capacity	439.44 GB															
	0.00	0.00	10546.69	10546.69	21093.38	21093.38	31640.08	42186.77	42186.77	52733.47	52733.47	63280.16	63280.16	73826.86	84373.55	84373.55
25D+2P	0	0	27	27	54	54	81	81	108	135	135	162	162	189	189	216
	0.00	0.00	10986.14	10986.14	21972.28	21972.28	32958.42	32958.42	43944.56	54930.70	54930.70	65916.84	65916.84	76902.98	76902.98	87889.12
26D+2P	0	0	28	28	56	56	84	84	112	112	140	140	168	168	196	224
	0.00	0.00	11425.58	11425.58	22851.17	22851.17	34276.75	34276.75	45702.34	45702.34	57127.93	57127.93	68553.51	68553.51	79979.10	91404.68
27D+2P	0	0	29	29	58	58	87	87	116	116	145	145	174	174	203	203
	0.00	0.00	11865.03	11865.03	23730.06	23730.06	35595.09	35595.09	47460.12	47460.12	59325.15	59325.15	71190.19	71190.19	83055.22	83055.22
28D+2P	0	0	30	30	60	60	90	90	120	120	150	150	180	180	210	210
	0.00	0.00	12304.47	12304.47	24608.95	24608.95	36913.43	36913.43	49217.90	49217.90	61522.38	61522.38	73826.86	73826.86	86131.34	86131.34

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates unit and range when expansion RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKS/RKES.

## RAID 6 SAS disk drive capacities (450 GB) (continued)

**Table 8-49: RAID 6 SAS Disk Drive Capacities (450 GB)**

Disk capacity	439.44 GB																
	Unit	RKAK															
Range	15	16	17	18	19	20	21	22	23								
Unit	RKAK/ RKAKD Note2																
Range	16 Note2	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range	240 (Max) Note3	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (Max) Note4
2D+2P Note1	240 52733.47	252 55370.14	268 58885.71	284 62401.27	300 65916.84	312 68553.51	328 72069.08	344 75584.64	360 79100.21	372 81736.88	388 85252.45	404 88768.01	420 92283.57	432 94920.25	448 98435.81	464 101951.38	480 105466.94
3D+2P	240 63280.16	255 67235.17	270 71190.19	285 75145.20	300 79100.21	315 83055.22	330 87010.23	345 90965.24	360 94920.25	375 98875.26	390 102830.27	405 106785.28	420 110740.29	435 114695.30	450 118650.31	465 122605.32	480 126560.33
4D+2P	240 70311.29	252 73826.86	270 79100.21	282 82615.77	300 87889.12	312 91404.68	330 96678.03	342 100193.60	360 105466.94	372 108982.51	390 114255.86	402 117771.42	420 123044.77	432 126560.33	450 131833.68	462 135349.25	480 140622.59
5D+2P	238 74705.75	252 79100.21	266 83494.66	280 87889.12	294 92283.57	315 98875.26	329 103269.72	343 107664.17	357 112058.63	371 116453.08	385 120847.54	399 125242.00	420 131833.68	434 136228.14	448 140622.59	462 145017.05	476 149411.51
6D+2P	240 79100.21	248 81736.88	264 87010.23	280 92283.57	296 97556.92	312 102830.27	328 108103.62	344 113376.96	360 118650.31	368 121286.99	384 126560.33	400 131833.68	416 137107.03	432 142380.38	448 147653.72	464 152927.07	480 158200.42
7D+2P	234 79979.10	252 86131.34	270 92283.57	279 95359.69	297 101511.93	297 107664.17	315 110740.29	324 116892.53	342 123044.77	360 126120.89	378 132273.13	387 138425.36	405 141501.48	414 147653.72	432 153805.96	450 156882.08	477 163034.32
8D+2P	240 84373.55	250 87889.12	270 94920.25	280 98435.81	300 105466.94	310 108982.51	330 116013.64	340 119529.20	360 126560.33	370 130075.90	390 137107.03	400 140622.59	420 147653.72	430 151169.29	450 158200.42	460 161715.98	480 168747.11
9D+2P	231 83055.22	253 90965.24	264 94920.25	275 98875.26	297 106785.28	308 110740.29	330 118650.31	341 122605.32	352 126560.33	374 134470.35	385 138425.36	396 142380.38	418 150290.40	429 154245.41	440 158200.42	462 166110.44	473 170065.45
10D+2P	240 87889.12	252 92283.57	264 96678.03	276 101072.49	300 109861.40	312 114255.86	324 118650.31	336 123044.77	360 131833.68	372 136228.14	384 140622.59	396 145017.05	420 153805.96	432 158200.42	444 162594.87	456 166989.33	480 175778.24
11D+2P	234 87010.23	247 91844.13	260 96678.03	273 101511.93	299 111179.74	312 116013.64	325 120847.54	338 125681.44	351 130515.34	364 135349.25	390 145017.05	403 149850.95	416 154684.85	429 159518.75	442 164352.66	455 169186.56	468 174020.46
12D+2P	238 89646.90	252 94920.25	266 100193.60	280 105466.94	294 110740.29	308 116013.64	322 121286.99	336 126560.33	350 131833.68	364 137107.03	378 142380.38	392 147653.72	420 158200.42	434 163473.77	448 168747.11	462 174020.46	476 179293.81
13D+2P	240 91404.68	255 97117.48	270 102830.27	285 108543.06	300 114255.86	315 119968.65	330 125681.44	345 131394.23	360 137107.03	375 142819.82	390 148532.61	405 154245.41	420 159958.20	435 165670.99	450 171383.79	465 177096.58	480 182809.37
14D+2P	240 92283.57	240 92283.57	256 98435.81	272 104588.05	288 110740.29	304 116892.53	320 123044.77	336 129197.01	352 135349.25	368 141501.48	384 147653.72	400 153805.96	416 159958.20	432 166110.44	448 172262.68	464 178414.92	480 184567.15

**Table 8-49: RAID 6 SAS Disk Drive Capacities (450 GB) (Continued)**

Disk capacity	439.44 GB																
15D+2P	238 92283.57	255 98875.26	255 98875.26	272 105466.94	289 112058.63	306 118650.31	323 125242.00	340 131833.68	357 138425.36	374 145017.05	374 145017.05	391 151608.73	408 158200.42	425 164792.10	442 171383.79	459 177975.47	476 184567.15
16D+2P	234 91404.68	252 98435.81	270 105466.94	270 105466.94	288 112498.07	306 119529.20	324 126560.33	342 133591.46	360 140622.59	360 140622.59	378 147653.72	396 154684.85	414 161715.98	432 168747.11	450 175778.24	450 175778.24	468 182809.37
17D+2P	228 89646.90	247 97117.48	266 104588.05	285 112058.63	285 112058.63	304 119529.20	323 126999.78	342 134470.35	342 134470.35	361 141940.93	380 149411.51	399 156882.08	418 164352.66	418 164352.66	437 171823.23	456 179293.81	475 186764.38
18D+2P	240 94920.25	240 94920.25	260 102830.27	280 110740.29	300 118650.31	300 118650.31	320 126560.33	340 134470.35	360 142380.38	360 142380.38	380 150290.40	400 158200.42	420 166110.44	420 166110.44	440 174020.46	460 181930.48	480 189840.50
19D+2P	231 91844.13	252 100193.60	252 100193.60	273 108543.06	294 116892.53	315 125242.00	315 125242.00	336 133591.46	357 141940.93	357 141940.93	378 150290.40	399 158639.86	420 166989.33	420 166989.33	441 175338.80	462 183688.26	462 183688.26
20D+2P	220 87889.12	242 96678.03	264 105466.94	264 105466.94	286 114255.86	308 123044.77	330 131833.68	330 131833.68	352 140622.59	374 149411.51	374 149411.51	396 158200.42	418 166989.33	418 166989.33	440 175778.24	462 184567.15	462 184567.15
21D+2P	230 92283.57	253 101511.93	253 101511.93	276 110740.29	299 119968.65	299 119968.65	322 129197.01	345 138425.36	345 138425.36	368 147653.72	368 147653.72	391 156882.08	414 166110.44	414 166110.44	437 175338.80	460 184567.15	460 184567.15
22D+2P	240 96678.03	240 96678.03	264 106345.83	264 106345.83	288 116013.64	312 125681.44	312 125681.44	336 135349.25	360 145017.05	360 145017.05	384 154684.85	384 154684.85	408 164352.66	432 174020.46	432 174020.46	456 183688.26	480 193356.07
23D+2P	225 90965.24	250 101072.49	250 101072.49	275 111179.74	300 121286.99	300 121286.99	325 131394.23	325 131394.23	350 141501.48	375 151608.73	375 151608.73	400 161715.98	400 161715.98	425 171823.23	450 181930.48	450 181930.48	475 192037.73
24D+2P	234 94920.25	234 94920.25	260 105466.94	260 105466.94	286 116013.64	312 126560.33	312 126560.33	338 137107.03	338 137107.03	364 147653.72	390 158200.42	390 158200.42	416 168747.11	416 168747.11	442 179293.81	442 179293.81	468 189840.50
25D+2P	216 87889.12	243 98875.26	270 109861.40	270 109861.40	297 120847.54	297 120847.54	324 131833.68	324 131833.68	351 142819.82	351 142819.82	378 153805.96	405 164792.10	405 164792.10	432 175778.24	432 175778.24	459 186764.38	459 186764.38
26D+2P	224 91404.68	252 102830.27	252 102830.27	280 114255.86	280 114255.86	308 125681.44	308 125681.44	336 137107.03	336 137107.03	364 148532.61	364 148532.61	392 159958.20	420 171383.79	420 171383.79	448 182809.37	448 182809.37	476 194234.96
27D+2P	232 94920.25	232 94920.25	261 106785.28	261 106785.28	290 118650.31	290 118650.31	319 130515.34	319 130515.34	348 142380.38	348 142380.38	377 154245.41	377 154245.41	406 166110.44	435 177975.47	435 177975.47	464 189840.50	464 189840.50
28D+2P	240 98435.81	240 98435.81	270 110740.29	270 110740.29	300 123044.77	300 123044.77	330 135349.25	330 135349.25	360 147653.72	360 147653.72	390 159958.20	390 159958.20	420 172262.68	420 172262.68	450 184567.15	450 184567.15	480 196871.63

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates unit and range when expansion RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHD/RKEHD.

**Note 3:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKM/RKEM.

**Note 4:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHD/RKEHD.

## RAID 1+0 SAS disk drive capacities (450 GB)

Table 8-50: RAID 1+0 SAS Disk Drive Capacities (450 GB) 1 of 2

Disk capacity	439.44 GB															
Unit	RKS/RKES/ RKM/RKEM		RKAK													
Range	1		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Unit	RKAK Note2															
Range	1 Note2		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Total Range	Min.	15 (Max)	30	45	60	75	90	105	120 (Max) Note3	135	150	165	180	195	210	225
2D+2D Note1	4 878.89	12 2636.67	28 6152.23	44 9667.80	60 13183.36	72 15820.04	88 19335.60	104 22851.17	120 26366.73	132 29003.41	148 32518.97	164 36034.54	180 39550.10	192 42186.77	208 45702.34	224 49217.90
3D+3D	6 1318.33	12 2636.67	30 6591.68	42 9228.35	60 13183.36	72 15820.04	90 19775.05	102 22411.72	120 26366.73	132 29003.41	150 32958.42	162 35595.09	180 39550.10	192 42186.77	210 46141.78	222 48778.46
4D+4D	8 1757.78	8 1757.78	24 5273.34	40 8788.91	56 12304.47	72 15820.04	88 19335.60	104 22851.17	120 26366.73	128 28124.51	144 31640.08	160 35155.64	176 38671.21	192 42186.77	208 45702.34	224 49217.90
5D+5D	10 2197.22	10 2197.22	30 6591.68	40 8788.91	60 13183.36	70 15380.59	90 19775.05	100 21972.28	120 26366.73	130 28563.96	150 32958.42	160 35155.64	180 39550.10	190 41747.33	210 46141.78	220 48339.01
6D+6D	12 2636.67	12 2636.67	24 5273.34	36 7910.02	60 13183.36	72 15820.04	84 18456.71	96 21093.38	120 26366.73	132 29003.41	144 31640.08	156 34276.75	180 39550.10	192 42186.77	204 44823.45	216 47460.12
7D+7D	14 3076.11	14 3076.11	28 6152.23	42 9228.35	56 12304.47	70 15380.59	84 18456.71	98 21532.83	112 24608.95	126 27685.07	140 30761.19	154 33837.31	168 36913.43	182 39989.55	210 46141.78	224 49217.90
8D+8D	0 0.00	0 0.00	16 3515.56	32 7031.12	48 10546.69	64 14062.25	80 17577.82	96 21093.38	112 24608.95	128 28124.51	144 31640.08	160 35155.64	176 38671.21	192 42186.77	208 45702.34	224 49217.90

**Table 8-51: RAID 1+0 SAS Disk Drive Capacities (450 GB) 2 of 2**

Disk capacity	439.44 GB																
Unit	RKAK																
Range	15	16	17	18	19	20	21	22	23								
Unit	RKAK Note2																
Range	16 Note2	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range	240 (Max) Note4	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (Max) Note5
2D+2D Note1	240 52733.47	252 55370.14	268 58885.71	284 62401.27	300 65916.84	312 68553.51	328 72069.08	344 75584.64	360 79100.21	372 81736.88	388 85252.45	404 88768.01	420 92283.57	432 94920.25	448 98435.81	464 101951.38	480 105466.94
3D+3D	240 52733.47	252 55370.14	270 59325.15	282 61961.83	300 65916.84	312 68553.51	330 72508.52	342 75145.20	360 79100.21	372 81736.88	390 85691.89	402 88328.56	420 92283.57	432 94920.25	450 98875.26	462 101511.93	480 105466.94
4D+4D	240 52733.47	248 54491.25	264 58006.82	280 61522.38	296 65037.95	312 68553.51	328 72069.08	344 75584.64	360 79100.21	368 80857.99	384 84373.55	400 87889.12	416 91404.68	432 94920.25	448 98435.81	464 101951.38	480 105466.94
5D+5D	240 52733.47	250 54930.70	270 59325.15	280 61522.38	300 65916.84	310 68114.07	330 72508.52	340 74705.75	360 79100.21	370 81297.43	390 85691.89	400 87889.12	420 92283.57	430 94480.80	450 98875.26	460 101072.49	480 105466.94
6D+6D	240 52733.47	252 55370.14	264 58006.82	276 60643.49	300 65916.84	312 68553.51	324 71190.19	336 73826.86	360 79100.21	372 81736.88	384 84373.55	396 87010.23	420 92283.57	432 94920.25	444 97556.92	456 100193.60	480 105466.94
7D+7D	238 52294.02	252 55370.14	266 58446.26	280 61522.38	294 64598.50	308 67674.62	322 70750.74	336 73826.86	350 76902.98	364 79979.10	378 83055.22	392 86131.34	420 92283.57	434 95359.69	448 98435.81	462 101511.93	476 104588.05
8D+8D	240 52733.47	240 52733.47	256 56249.03	272 59764.60	288 63280.16	304 66795.73	320 70311.29	336 73826.86	352 77342.42	368 80857.99	384 84373.55	400 87889.12	416 91404.68	432 94920.25	448 98435.81	464 101951.38	480 105466.94

**Note 1:** D: data disk.

**Note 2:** Indicates unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKS/RKES.

**Note 4:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKM/RKEM.

**Note 5:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

# RAID 1 SATA disk drive capacities (500 GB)

Table 8-52: RAID 1 SATA Disk Drive Capacities (500 GB)

Disk capacity	491.25 GB																
Unit	RKS/RKES/RKM/RKEM		RKAK														
Range	1		1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Unit	RKAK/RKAKD Note2																
Range	1 Note2		2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Total Range	Min.	15 (Max)	30	45	60	75	90	105	120 (Max) Note3	135	150	165	180	195	210	225	
ID+ID Note1	2 491.25	14 3438.77	30 7368.80	44 10807.58	60 14737.60	74 18176.38	90 22106.41	104 25545.19	120 29475.21	134 32913.99	150 36844.02	164 40282.80	180 44212.82	194 47651.60	210 51581.63	224 55020.41	
Disk capacity	491.25 GB																
Unit	RKAK																
Range	15	16	17	18	19	20	21	22	23								
Unit	RKAK Note2																
Range	16 Note2	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range	240 (Max) Note4	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (Max) Note5
ID+ID Note1	240 58950.43	254 62389.21	270 66319.24	284 69758.01	300 73688.04	314 77126.82	330 81056.85	344 84495.62	360 88425.65	374 91864.43	390 95794.46	404 99233.23	420 103163.26	434 106602.04	450 110532.07	464 113970.84	480 117900.87

**Note 1:** D: data disk.

**Note 2:** Indicates unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKS/RKES.

**Note 4:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKM/RKEM.

**Note 5:** Indicates the total range in the maximum configuration when RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

# RAID 5 SATA disk drive capacities (500 GB)

**Table 8-53: RAID 5 SATA Disk Drive Capacities (500 GB)**

Disk capacity	491.25 GB															
Unit	RKS/RKES/ RKM/RKEM	RKAK														
Range	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Unit	RKAK/RKAKD Note2															
Range	1 Note2		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Total Range	Min.	15 (Max)	30	45	60	75	90	105	120 (Max) Note3	135	150	165	180	195	210	225
2D+1P	3	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
Note1	982.50	4912.53	9825.07	14737.60	19650.14	24562.68	29475.21	34387.75	39300.29	44212.82	49125.36	54037.90	58950.43	63862.97	68775.51	73688.04
3D+1P	4	12	28	44	60	72	88	104	120	132	148	164	180	192	208	224
	1473.76	4421.28	10316.32	16211.37	22106.41	26527.69	32422.74	38317.78	44212.82	48634.11	54529.15	60424.20	66319.24	70740.52	76635.57	82530.61
4D+1P	5	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
	1965.01	5895.04	11790.08	17685.13	23580.17	29475.21	35370.26	41265.30	47160.35	53055.39	58950.43	64845.48	70740.52	76635.57	82530.61	88425.65
5D+1P	6	12	30	42	60	72	90	102	120	132	150	162	180	192	210	222
	2456.26	4912.53	12281.34	17193.87	24562.68	29475.21	36844.02	41756.56	49125.36	54037.90	61406.70	66319.24	73688.04	78600.58	85969.39	90881.92
6D+1P	7	14	28	42	56	70	84	105	119	133	147	161	175	189	210	224
	2947.52	5895.04	11790.08	17685.13	23580.17	29475.21	35370.26	44212.82	50107.87	56002.91	61897.96	67793.00	73688.04	79583.09	88425.65	94320.70
7D+1P	8	8	24	40	56	72	88	104	120	128	144	160	176	192	208	224
	3438.77	3438.77	10316.32	17193.87	24071.42	30948.98	37826.53	44704.08	51581.63	55020.41	61897.96	68775.51	75653.06	82530.61	89408.16	96285.71
8D+1P	9	9	27	45	54	72	90	99	117	135	144	162	180	189	207	225
	3930.02	3930.02	11790.08	19650.14	23580.17	31440.23	39300.29	43230.32	51090.38	58950.43	62880.46	70740.52	78600.58	82530.61	90390.67	98250.73
9D+1P	10	10	30	40	60	70	90	100	120	130	150	160	180	190	210	220
	4421.28	4421.28	13263.84	17685.13	26527.69	30948.98	39791.54	44212.82	53055.39	57476.67	66319.24	70740.52	79583.09	84004.37	92846.94	97268.22
10D+1P	11	11	22	44	55	66	88	99	110	132	143	165	176	187	209	220
	4912.53	4912.53	9825.07	19650.14	24562.68	29475.21	39300.29	44212.82	49125.36	58950.43	63862.97	73688.04	78600.58	83513.12	93338.19	98250.73
11D+1P	12	12	24	36	60	72	84	96	120	132	144	156	180	192	204	216
	5403.79	5403.79	10807.58	16211.37	27018.95	32422.74	37826.53	43230.32	54037.90	59441.69	64845.48	70249.27	81056.85	86460.64	91864.43	97268.22
12D+1P	13	13	26	39	52	65	78	104	117	130	143	156	169	195	208	221
	5895.04	5895.04	11790.08	17685.13	23580.17	29475.21	35370.26	47160.35	53055.39	58950.43	64845.48	70740.52	76635.57	88425.65	94320.70	100215.74
13D+1P	14	14	28	42	56	70	84	98	112	126	140	154	168	182	210	224
	6386.29	6386.29	12772.59	19158.89	25545.19	31931.48	38317.78	44704.08	51090.38	57476.67	63862.97	70249.27	76635.57	83021.86	95794.46	102180.76
14D+1P	15	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
	6877.55	6877.55	13755.10	20632.65	27510.20	34387.75	41265.30	48142.85	55020.41	61897.96	68775.51	75653.06	82530.61	89408.16	96285.71	103163.26
15D+1P	0	0	16	32	48	64	80	96	112	128	144	160	176	192	208	224
	0.00	0.00	7368.80	14737.60	22106.41	29475.21	36844.02	44212.82	51581.63	58950.43	66319.24	73688.04	81056.85	88425.65	95794.46	103163.26

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKS/RKES.

# RAID 5 SATA disk drive capacities (500 GB) (continued)

**Table 8-54: RAID 5 SATA Disk Drive Capacities (500 GB)**

Disk capacity	491.25 GB																
Unit	RKAK																
Range	15																
Unit	RKAK/ RKAKD Note2																
Range	16 Note2	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range	240 (Max) Note3	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (Max) Note4
2D+1P Note1	240 78600.58	255 83513.12	270 88425.65	285 93338.19	300 98250.73	315 103163.26	330 108075.80	345 112988.34	360 117900.87	375 122813.41	390 127725.95	405 132638.48	420 137551.02	435 142463.56	450 147376.09	465 152288.63	480 157201.17
3D+1P	240 88425.65	252 92846.94	268 98741.98	284 104637.02	300 110532.07	312 114953.35	328 120848.40	344 126743.44	360 132638.48	372 137059.77	388 142954.81	404 148849.85	420 154744.90	432 159166.18	448 165061.23	464 170956.27	480 176851.31
4D+1P	240 94320.70	255 100215.74	270 106110.79	285 112005.83	300 117900.87	315 123795.92	330 129690.96	345 135586.01	360 141481.05	375 147376.09	390 153271.14	405 159166.18	420 165061.23	435 170956.27	450 176851.31	465 182746.36	480 188641.40
5D+1P	240 98250.73	252 103163.26	270 110532.07	282 115444.61	300 122813.41	312 127725.95	330 135094.75	342 140007.29	360 147376.09	372 152288.63	390 159657.44	402 164569.97	420 171938.78	432 176851.31	450 184220.12	462 189132.65	480 196501.46
6D+1P	238 100215.74	252 106110.79	266 112005.83	280 117900.87	294 123795.92	315 132638.48	329 138533.53	343 144428.57	357 150323.62	371 156218.66	385 162113.70	399 168008.75	420 176851.31	434 182746.36	448 188641.40	462 194536.45	476 200431.49
7D+1P	240 103163.26	248 106602.04	264 113479.59	280 120357.14	296 127234.69	312 134112.24	328 140989.80	344 147867.35	360 154744.90	368 158183.67	384 165061.23	400 171938.78	416 178816.33	432 185693.88	448 192571.43	464 199448.98	480 206326.53
8D+1P	234 102180.76	252 110040.82	270 117900.87	279 121830.90	297 129690.96	315 137551.02	324 141481.05	342 149341.11	360 157201.17	369 161131.20	387 168991.25	405 176851.31	414 180781.34	432 188641.40	450 196501.46	459 200431.49	477 208291.55
9D+1P	240 106110.79	250 110532.07	270 119374.63	280 123795.92	300 132638.48	310 137059.77	330 145902.33	340 150323.62	360 159166.18	370 163587.46	390 172430.03	400 176851.31	420 185693.88	430 190115.16	450 198957.73	460 203379.01	480 212221.58
10D+1P	231 103163.26	253 112988.34	264 117900.87	275 122813.41	297 132638.48	308 137551.02	330 147376.09	341 152288.63	352 157201.17	374 167026.24	385 171938.78	396 176851.31	418 186676.39	429 191588.92	440 196501.46	462 206326.53	473 211239.07
11D+1P	240 108075.80	252 113479.59	264 118883.38	276 124287.17	300 135094.75	312 140498.54	324 145902.33	336 151306.12	360 162113.70	372 167517.49	384 172921.28	396 178325.07	420 189132.65	432 194536.45	444 199940.24	456 205344.03	480 216151.61
12D+1P	234 106110.79	247 112005.83	260 117900.87	273 123795.92	299 135586.01	312 141481.05	325 147376.09	338 153271.14	351 159166.18	364 165061.23	390 176851.31	403 182746.36	416 188641.40	429 194536.45	442 200431.49	455 206326.53	468 212221.58
13D+1P	238 108567.05	252 114953.35	266 121339.65	280 127725.95	294 134112.24	308 140498.54	322 146884.84	336 153271.14	350 159657.44	364 166043.73	378 172430.03	392 178816.33	420 191588.92	434 197975.22	448 204361.52	462 210747.82	476 217134.11
14D+1P	240 110040.82	255 116918.37	270 123795.92	285 130673.47	300 137551.02	315 144428.57	330 151306.12	345 158183.67	360 165061.23	375 171938.78	390 178816.33	405 185693.88	420 192571.43	435 199448.98	450 206326.53	465 213204.08	480 220081.64
15D+1P	240 110532.07	240 110532.07	256 117900.87	272 125269.68	288 132638.48	304 140007.29	320 147376.09	336 154744.90	352 162113.70	368 169482.51	384 176851.31	400 184220.12	416 191588.92	432 198957.73	448 206326.53	464 213695.34	480 221064.14

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range in the maximum configuration when when RKAKs are connected to the RKM/RKEM.

**Note 4:** Indicates the total range in the maximum configuration when when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

# RAID 6 SATA disk drive capacities (500 GB)

**Table 8-55: RAID 6 SATA Disk Drive Capacities (500 GB)**

Disk capacity	491.25 GB															
Unit	RKS/RKES/RKM/RKEM		RKAK													
Range	1		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Unit	RKAK/RKAKD Note2															
Range	1 Note2		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Total Range	Min.	15 (Max)	30	45	60	75	90	105	120 (Max) Note3	135	150	165	180	195	210	225
2D+2P Note1	4 982.50	12 2947.52	28 6877.55	44 10807.58	60 14737.60	72 17685.13	88 21615.16	104 25545.19	120 29475.21	132 32422.74	148 36352.77	164 40282.80	180 44212.82	192 47160.35	208 51090.38	224 55020.41
3D+2P	5 1473.76	15 4421.28	30 8842.56	45 13263.84	60 17685.13	75 22106.41	90 26527.69	105 30948.98	120 35370.26	135 39791.54	150 44212.82	165 48634.11	180 53055.39	195 57476.67	210 61897.96	225 66319.24
4D+2P	6 1965.01	12 3930.02	30 9825.07	42 13755.10	60 19650.14	72 23580.17	90 29475.21	102 33405.24	120 39300.29	132 43230.32	150 49125.36	162 53055.39	180 58950.43	192 62880.46	210 68775.51	222 72705.54
5D+2P	7 2456.26	14 4912.53	28 9825.07	42 14737.60	56 19650.14	70 24562.68	84 29475.21	105 36844.02	119 41756.56	133 46669.09	147 51581.63	161 56494.17	175 61406.70	189 66319.24	210 73688.04	224 78600.58
6D+2P	8 2947.52	8 2947.52	24 8842.56	40 14737.60	56 20632.65	72 26527.69	88 32422.74	104 38317.78	120 44212.82	128 47160.35	144 53055.39	160 58950.43	176 64845.48	192 70740.52	208 76635.57	224 82530.61
7D+2P	9 3438.77	9 3438.77	27 10316.32	45 17193.87	54 20632.65	72 27510.20	90 34387.75	99 37826.53	117 44704.08	135 51581.63	144 55020.41	162 61897.96	180 68775.51	189 72214.28	207 79091.83	225 85969.39
8D+2P	10 3930.02	10 3930.02	30 11790.08	40 15720.11	60 23580.17	70 27510.20	90 35370.26	100 39300.29	120 47160.35	130 51090.38	150 58950.43	160 62880.46	180 70740.52	190 74670.55	210 82530.61	220 86460.64
9D+2P	11 4421.28	11 4421.28	22 8842.56	44 17685.13	55 22106.41	66 26527.69	88 35370.26	99 39791.54	110 44212.82	132 53055.39	143 57476.67	165 66319.24	176 70740.52	187 75161.81	209 84004.37	220 88425.65
10D+2P	12 4912.53	12 4912.53	24 9825.07	36 14737.60	60 24562.68	72 29475.21	84 34387.75	96 39300.29	120 49125.36	132 54037.90	144 58950.43	156 63862.97	180 73688.04	192 78600.58	204 83513.12	216 88425.65
11D+2P	13 5403.79	13 5403.79	26 10807.58	39 16211.37	52 21615.16	65 27018.95	78 32422.74	104 43230.32	117 48634.11	130 54037.90	143 59441.69	156 64845.48	169 70249.27	195 81056.85	208 86460.64	221 91864.43
12D+2P	14 5895.04	14 5895.04	28 11790.08	42 17685.13	56 23580.17	70 29475.21	84 35370.26	98 41265.30	112 47160.35	126 53055.39	140 58950.43	154 64845.48	168 70740.52	182 76635.57	210 88425.65	224 94320.70
13D+2P	15 6386.29	15 6386.29	30 12772.59	45 19158.89	60 25545.19	75 31931.48	90 38317.78	105 44704.08	120 51090.38	135 57476.67	150 63862.97	165 70249.27	180 76635.57	195 83021.86	210 89408.16	225 95794.46
14D+2P	0 0.00	0 0.00	16 6877.55	32 13755.10	48 20632.65	64 27510.20	80 34387.75	96 41265.30	112 48142.85	128 55020.41	144 61897.96	160 68775.51	176 75653.06	192 82530.61	208 89408.16	224 96285.71
15D+2P	0 0.00	0 0.00	17 7368.80	34 14737.60	51 22106.41	68 29475.21	85 36844.02	102 44212.82	119 51581.63	119 51581.63	136 58950.43	153 66319.24	170 73688.04	187 81056.85	204 88425.65	221 95794.46
16D+2P	0 0.00	0 0.00	18 7860.05	36 15720.11	54 23580.17	72 31440.23	90 39300.29	90 39300.29	108 47160.35	126 55020.41	144 62880.46	162 70740.52	180 78600.58	180 78600.58	198 86460.64	216 94320.70
17D+2P	0 0.00	0 0.00	19 8351.31	38 16702.62	57 25053.93	76 25053.93	95 33405.24	114 41756.56	133 50107.87	133 58459.18	152 66810.49	171 75161.81	190 83513.12	209 91864.43	209 91864.43	
18D+2P	0 0.00	0 0.00	20 8842.56	40 17685.13	60 26527.69	80 26527.69	100 35370.26	120 44212.82	120 53055.39	140 53055.39	160 61897.96	180 70740.52	180 79583.09	200 79583.09	220 88425.65	220 97268.22
19D+2P	0 0.00	0 0.00	21 9333.81	42 18667.63	63 18667.63	84 28001.45	105 37335.27	105 46669.09	126 46669.09	147 56002.91	147 65336.73	168 74670.55	189 84004.37	210 93338.19	210 93338.19	
20D+2P	0 0.00	0 0.00	22 9825.07	44 19650.14	66 19650.14	88 29475.21	110 39300.29	132 39300.29	150 49125.36	150 58950.43	176 68775.51	192 78600.58	216 88425.65	225 98250.73		
21D+2P	0 0.00	0 0.00	23 10316.32	46 10316.32	69 20632.65	92 30948.98	115 30948.98	138 41265.30	161 51581.63	184 51581.63	207 61897.96	224 72214.28	224 72214.28	240 82530.61	240 92846.94	240 92846.94
22D+2P	0 0.00	0 0.00	24 10807.58	48 10807.58	72 21615.16	96 32422.74	120 32422.74	144 43230.32	168 54037.90	192 54037.90	216 64845.48	240 64845.48	264 75653.06	288 86460.64	312 86460.64	336 97268.22
23D+2P	0 0.00	0 0.00	25 11298.83	50 11298.83	75 22597.66	100 33896.50	125 33896.50	150 45195.33	175 45195.33	200 56494.17	225 67793.00	250 67793.00	275 79091.83	300 79091.83	325 90390.67	350 101689.50

**Table 8-55: RAID 6 SATA Disk Drive Capacities (500 GB) (Continued)**

Disk capacity	491.25 GB																
24D+2P	0 0.00	0 0.00	26 11790.08	26 11790.08	52 23580.17	52 23580.17	78 35370.26	78 35370.26	104 47160.35	104 47160.35	130 58950.43	130 58950.43	156 70740.52	156 70740.52	182 82530.61	208 94320.70	208 94320.70
25D+2P	0 0.00	0 0.00	27 12281.34	27 12281.34	54 24562.68	54 24562.68	81 36844.02	81 36844.02	108 49125.36	108 49125.36	135 61406.70	135 61406.70	162 73688.04	162 73688.04	189 85969.39	189 85969.39	216 98250.73
26D+2P	0 0.00	0 0.00	28 12772.59	28 12772.59	56 25545.19	56 25545.19	84 38317.78	84 38317.78	112 51090.38	112 51090.38	140 63862.97	140 63862.97	168 76635.57	168 76635.57	196 89408.16	196 89408.16	224 102180.76
27D+2P	0 0.00	0 0.00	29 13263.84	29 13263.84	58 26527.69	58 26527.69	87 39791.54	87 39791.54	116 53055.39	116 53055.39	145 66319.24	145 66319.24	174 79583.09	174 79583.09	203 92846.94	203 92846.94	232 106113.58
28D+2P	0 0.00	0 0.00	30 13755.10	30 13755.10	60 27510.20	60 27510.20	90 41265.30	90 41265.30	120 55020.41	120 55020.41	150 68775.51	150 68775.51	180 82530.61	180 82530.61	210 96285.71	210 96285.71	240 110040.82

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKS/RKES.

**RAID 6 SATA disk drive capacities (500 GB) (continued)**

**Table 8-56: RAID 6 SATA Disk Drive Capacities (500 GB)**

Disk capacity	491.25 GB																
Unit	RKAK																
Range	15																
Unit	RKAK/ RKAKD Note2																
Range	16 Note2	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range	240 (Max) Note3	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (Max) Note4
2D+2P	240	252	268	284	300	312	328	344	360	372	388	404	420	432	448	464	480
Note1	58950.43	61897.96	65827.99	69758.01	73688.04	76635.57	80565.60	84495.62	88425.65	91373.18	95303.21	99233.23	103163.26	106110.79	110040.82	113970.84	117900.87
3D+2P	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480
	70740.52	75161.81	79583.09	84004.37	88425.65	92846.94	97268.22	101689.50	106110.79	110532.07	114953.35	119374.63	123795.92	128217.20	132638.48	137059.77	141481.05
4D+2P	240	252	270	282	300	312	330	342	360	372	390	402	420	432	450	462	480
	78600.58	82530.61	88425.65	92355.68	98250.73	102180.76	108075.80	112005.83	117900.87	121830.90	127725.95	131655.98	137551.02	141481.05	147376.09	151306.12	157201.17
5D+2P	238	252	266	280	294	315	329	343	357	371	385	399	420	434	448	462	476
	83513.12	88425.65	93338.19	98250.73	103163.26	110532.07	115444.61	120357.14	125269.68	130182.22	135094.75	140007.29	147376.09	152288.63	157201.17	162113.70	167026.24
6D+2P	240	248	264	280	296	312	328	344	360	368	384	400	416	432	448	464	480
	88425.65	91373.18	97268.22	103163.26	109058.31	114953.35	120848.40	126743.44	132638.48	135586.01	141481.05	147376.09	153271.14	159166.18	165061.23	170956.27	176851.31
7D+2P	234	252	270	279	297	315	324	342	360	369	387	405	414	432	450	459	477
	89408.16	96285.71	103163.26	106602.04	113479.59	120357.14	123795.92	130673.47	137551.02	140989.80	147867.35	154744.90	158183.67	165061.23	171938.78	175377.55	182255.10
8D+2P	240	250	270	280	300	310	330	340	360	370	390	400	420	430	450	460	480
	94320.70	98250.73	106110.79	110040.82	117900.87	121830.90	129690.96	133620.99	141481.05	145411.08	153271.14	157201.17	165061.23	168991.25	176851.31	180781.34	188641.40
9D+2P	231	253	264	275	297	308	330	341	352	374	385	396	418	429	440	462	473
	92846.94	101689.50	106110.79	110532.07	119374.63	123795.92	132638.48	137059.77	141481.05	150323.62	154744.90	159166.18	168008.75	172430.03	176851.31	185693.88	190115.16
10D+2P	240	252	264	276	300	312	324	336	360	372	384	396	420	432	444	456	480
	98250.73	103163.26	108075.80	112988.34	122813.41	127725.95	132638.48	137551.02	147376.09	152288.63	157201.17	162113.70	171938.78	176851.31	181763.85	186676.39	196501.46
11D+2P	234	247	260	273	299	312	325	338	351	364	390	403	416	429	442	455	468
	97268.22	102672.01	108075.80	113479.59	124287.17	129690.96	135094.75	140498.54	145902.33	151306.12	162113.70	167517.49	172921.28	178325.07	183728.86	189132.65	194536.45
12D+2P	238	252	266	280	294	308	322	336	350	364	378	392	420	434	448	462	476
	100215.74	106110.79	112005.83	117900.87	123795.92	129690.96	135586.01	141481.05	147376.09	153271.14	159166.18	165061.23	176851.31	182746.36	188641.40	194536.45	200431.49
13D+2P	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480
	102180.76	108567.05	114953.35	121339.65	127725.95	134112.24	140498.54	146884.84	153271.14	159657.44	166043.73	172430.03	178816.33	185202.63	191588.92	197975.22	204361.52
14D+2P	240	240	256	272	288	304	320	336	352	368	384	400	416	432	448	464	480

**Table 8-56: RAID 6 SATA Disk Drive Capacities (500 GB) (Continued)**

Disk capacity	491.25 GB																
	103163.26	103163.26	110040.82	116918.37	123795.92	130673.47	137551.02	144428.57	151306.12	158183.67	165061.23	171938.78	178816.33	185693.88	192571.43	199448.98	206326.53
15D+2P	238	255	255	272	289	306	323	340	357	374	374	391	408	425	442	459	476
	103163.26	110532.07	110532.07	117900.87	125269.68	132638.48	140007.29	147376.09	154744.90	162113.70	162113.70	169482.51	176851.31	184220.12	191588.92	198957.73	206326.53
16D+2P	234	252	270	270	288	306	324	342	360	360	378	396	414	432	450	450	468
	102180.76	110040.82	117900.87	117900.87	125760.93	133620.99	141481.05	149341.11	157201.17	157201.17	165061.23	172921.28	180781.34	188641.40	196501.46	196501.46	204361.52
17D+2P	228	247	266	285	285	304	323	342	342	361	380	399	418	418	437	456	475
	100215.74	108567.05	116918.37	125269.68	125269.68	133620.99	141972.30	150323.62	150323.62	158674.93	167026.24	175377.55	183728.86	183728.86	192080.18	200431.49	208782.80
18D+2P	240	240	260	280	300	300	320	340	360	360	380	400	420	420	440	460	480
	106110.79	106110.79	114953.35	123795.92	132638.48	132638.48	141481.05	150323.62	159166.18	159166.18	168008.75	176851.31	185693.88	185693.88	194536.45	203379.01	212221.58
19D+2P	231	252	252	273	294	315	315	336	357	357	378	399	420	420	441	462	462
	102672.01	112005.83	112005.83	121339.65	130673.47	140007.29	140007.29	149341.11	158674.93	158674.93	168008.75	177342.57	186676.39	186676.39	196010.21	205344.03	205344.03
20D+2P	220	242	264	264	286	308	330	330	352	374	374	396	418	418	440	462	462
	98250.73	108075.80	117900.87	117900.87	127725.95	137551.02	147376.09	147376.09	157201.17	167026.24	167026.24	176851.31	186676.39	186676.39	196501.46	206326.53	206326.53
21D+2P	230	253	253	276	299	299	322	345	345	368	368	391	414	414	437	460	460
	103163.26	113479.59	113479.59	123795.92	134112.24	134112.24	144428.57	154744.90	154744.90	165061.23	165061.23	175377.55	185693.88	185693.88	196010.21	206326.53	206326.53
22D+2P	240	240	264	264	288	312	312	336	360	360	384	384	408	432	432	456	480
	108075.80	108075.80	118883.38	118883.38	129690.96	140498.54	140498.54	151306.12	162113.70	162113.70	172921.28	172921.28	183728.86	194536.45	194536.45	205344.03	216151.61
23D+2P	225	250	250	275	300	300	325	325	350	375	375	400	400	425	450	450	475
	101689.50	112988.34	112988.34	124287.17	135586.01	135586.01	146884.84	146884.84	158183.67	169482.51	169482.51	180781.34	180781.34	192080.18	203379.01	203379.01	214677.85
24D+2P	234	234	260	286	312	312	338	338	364	390	390	416	416	442	442	468	468
	106110.79	106110.79	117900.87	117900.87	129690.96	141481.05	141481.05	153271.14	153271.14	165061.23	176851.31	176851.31	188641.40	188641.40	200431.49	200431.49	212221.58
25D+2P	216	243	270	270	297	297	324	324	351	351	378	405	405	432	432	459	459
	98250.73	110532.07	122813.41	122813.41	135094.75	135094.75	147376.09	147376.09	159657.44	159657.44	171938.78	184220.12	184220.12	196501.46	196501.46	208782.80	208782.80
26D+2P	224	252	252	280	280	308	308	336	336	364	364	392	420	420	448	448	476
	102180.76	114953.35	114953.35	127725.95	127725.95	140498.54	140498.54	153271.14	153271.14	166043.73	166043.73	178816.33	191588.92	191588.92	204361.52	204361.52	217134.11
27D+2P	232	232	261	261	290	290	319	319	348	348	377	377	406	435	435	464	464
	106110.79	106110.79	119374.63	119374.63	132638.48	132638.48	145902.33	145902.33	159166.18	159166.18	172430.03	172430.03	185693.88	198957.73	198957.73	212221.58	212221.58
28D+2P	240	240	270	270	300	300	330	330	360	360	390	390	420	420	450	450	480
	110040.82	110040.82	123795.92	123795.92	137551.02	137551.02	151306.12	151306.12	165061.23	165061.23	178816.33	178816.33	192571.43	192571.43	206326.53	206326.53	220081.64

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKM/RKEM.

**Note 4:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

## RAID 1+0 SATA disk drive capacities (500 GB)

Table 8-57: RAID 1+0 SATA Disk Drive Capacities (500 GB) 1 of 2

Disk capacity	491.25 GB															
Unit	RKS/RKES/RKM/RKEM	RKAK														
Range	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Unit	RKAK (Note 2)															
Range	1 (Note 2)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Total range of disk drives	Min.	15 (Max)	30	45	60	75	90	105	120 (Max) Note3	135	150	165	180	195	210	225
2D+2D	4	12	28	44	60	72	88	104	120	132	148	164	180	192	208	224
Note1	982.50	2947.52	6877.55	10807.58	14737.60	17685.13	21615.16	25545.19	29475.21	32422.74	36352.77	40282.80	44212.82	47160.35	51090.38	55020.41
3D+3D	6	12	30	42	60	72	90	102	120	132	150	162	180	192	210	222
	1473.76	2947.52	7368.80	10316.32	14737.60	17685.13	22106.41	25053.93	29475.21	32422.74	36844.02	39791.54	44212.82	47160.35	51581.63	54529.15
4D+4D	8	8	24	40	56	72	88	104	120	128	144	160	176	192	208	224
	1965.01	1965.01	5895.04	9825.07	13755.10	17685.13	21615.16	25545.19	29475.21	31440.23	35370.26	39300.29	43230.32	47160.35	51090.38	55020.41
5D+5D	10	10	30	40	60	70	90	100	120	130	150	160	180	190	210	220
	2456.26	2456.26	7368.80	9825.07	14737.60	17193.87	22106.41	24562.68	29475.21	31931.48	36844.02	39300.29	44212.82	46669.09	51581.63	54037.90
6D+6D	12	12	24	36	60	72	84	96	120	132	144	156	180	192	204	216
	2947.52	2947.52	5895.04	8842.56	14737.60	17685.13	20632.65	23580.17	29475.21	32422.74	35370.26	38317.78	44212.82	47160.35	50107.87	53055.39
7D+7D	14	14	28	42	56	70	84	98	112	126	140	154	168	182	210	224
	3438.77	3438.77	6877.55	10316.32	13755.10	17193.87	20632.65	24071.42	27510.20	30948.98	34387.75	37826.53	41265.30	44704.08	51581.63	55020.41
8D+8D	0	0	16	32	48	64	80	96	112	128	144	160	176	192	208	224
	0.00	0.00	3930.02	7860.05	11790.08	15720.11	19650.14	23580.17	27510.20	31440.23	35370.26	39300.29	43230.32	47160.35	51090.38	55020.41

**Table 8-58: RAID 1+0 SATA Disk Drive Capacities (500 GB) 2 of 2**

Disk capacity	491.25 GB																
Unit	RKAK																
Range	15	16	17	18	19	20	21	22	23								
Unit	RKAK Note2																
Range	16 Note2	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total range of Disk drives	240 (Max) Note4	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (Max) Note5
2D+2D Note1	240 58950.43	252 61897.96	268 65827.99	284 69758.01	300 73688.04	312 76635.57	328 80565.60	344 84495.62	360 88425.65	372 91373.18	388 95303.21	404 99233.23	420 103163.26	432 106110.79	448 110040.82	464 113970.84	480 117900.87
3D+3D	240 58950.43	252 61897.96	270 66319.24	282 69266.76	300 73688.04	312 76635.57	330 81056.85	342 84004.37	360 88425.65	372 91373.18	390 95794.46	402 98741.98	420 103163.26	432 106110.79	450 110532.07	462 113479.59	480 117900.87
4D+4D	240 58950.43	248 60915.45	264 64845.48	280 68775.51	296 72705.54	312 76635.57	328 80565.60	344 84495.62	360 88425.65	368 90390.67	384 94320.70	400 98250.73	416 102180.76	432 106110.79	448 110040.82	464 113970.84	480 117900.87
5D+5D	240 58950.43	250 61406.70	270 66319.24	280 68775.51	300 73688.04	310 76144.31	330 81056.85	340 83513.12	360 88425.65	370 90881.92	390 95794.46	400 98250.73	420 103163.26	430 105619.53	450 110532.07	460 112988.34	480 117900.87
6D+6D	240 58950.43	252 61897.96	264 64845.48	276 67793.00	300 73688.04	312 76635.57	324 79583.09	336 82530.61	360 88425.65	372 91373.18	384 94320.70	396 97268.22	420 103163.26	432 106110.79	444 109058.31	456 112005.83	480 117900.87
7D+7D	238 58459.18	252 61897.96	266 65336.73	280 68775.51	294 72214.28	308 75653.06	322 79091.83	336 82530.61	350 85969.39	364 89408.16	378 92846.94	392 96285.71	420 103163.26	434 106602.04	448 110040.82	462 113479.59	476 116918.37
8D+8D	240 58950.43	240 58950.43	256 62880.46	272 66810.49	288 70740.52	304 74670.55	320 78600.58	336 82530.61	352 86460.64	368 90390.67	384 94320.70	400 98250.73	416 102180.76	432 106110.79	448 110040.82	464 113970.84	480 117900.87

**Note 1:** D: data disk.

**Note 2:** Indicates unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKS/RKES.

**Note 4:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKM/RKEM.

**Note 5:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

# RAID 0 SAS/SAS(SED) disk drive capacities (600 GB)

Table 8-59: RAID 0 SAS/SAS(SED) disk drive capacities (600 GB)

Disk capacity	575.30 G bytes											
Component unit	RKS/RKES/RKM/RKEM		RKAKS									
Range	1 (*2)		1	2	3	4	5	6	7	8	9	10
Total range of Disk drives	Min.	15 (Max)	39	63	87	111	135	159 (*3)(Max)	183	207	231 (*4)(Max)	255 (*5)(Max)
2D (*1)	2 1150.60	14 8054.23	38 21861.48	62 35668.74	86 49475.99	110 63283.24	134 77090.50	158 90897.75	182 104705.01	206 118512.26	230 132319.52	254 146126.77
3D	3 1725.90	15 8629.53	39 22436.78	63 36244.04	87 50051.29	111 63858.55	135 77665.80	159 91473.06	183 105280.31	207 119087.52	231 132894.82	255 146702.07
4D	4 2301.20	12 6903.62	36 20710.88	60 34518.13	84 48325.39	108 62132.64	132 75939.89	156 89747.15	180 103554.40	204 117361.66	228 131168.91	252 144976.17
5D	5 2876.51	15 8629.53	35 20135.57	60 34518.13	85 48900.69	110 63283.24	135 77665.80	155 89171.85	180 103554.40	205 117936.96	230 132319.52	255 146702.07
6D	6 3451.81	12 6903.62	36 20710.88	60 34518.13	84 48325.39	108 62132.64	132 75939.89	156 89747.15	180 103554.40	204 117361.66	228 131168.91	252 144976.17
7D	7 4027.11	14 8054.23	35 20135.57	63 36244.04	84 48325.39	105 60406.73	133 76515.20	154 88596.54	182 104705.01	203 116786.36	231 132894.82	252 144976.17
8D	8 4602.41	8 4602.41	32 18409.67	56 32216.92	80 46024.18	104 59831.43	128 73638.69	152 87445.94	176 101253.19	200 115060.45	224 128867.70	248 142674.96
9D	9 5177.72	9 5177.72	36 20710.88	63 36244.04	81 46599.48	108 62132.64	135 77665.80	153 88021.24	180 103554.40	207 119087.52	225 129443.07	252 144976.17
10D	10 5753.02	10 5753.02	30 17259.06	60 34518.13	80 46024.18	110 63283.24	130 74789.29	150 86295.34	180 103554.40	200 115060.45	230 132319.52	250 143825.56
11D	11 6328.32	11 6328.32	33 18984.97	55 31641.62	77 44298.27	110 63283.24	132 75939.89	154 88596.54	176 101253.19	198 113909.84	231 132894.82	253 145551.47
12D	12 6903.62	12 6903.62	36 20710.88	60 34518.13	84 48325.39	108 62132.64	132 75939.89	156 89747.15	180 103554.40	204 117361.66	228 131168.91	252 144976.17
13D	13 7478.92	13 7478.92	39 22436.78	52 29915.71	78 44873.57	104 59831.43	130 74789.29	156 89747.15	182 104705.01	195 112183.94	221 127141.80	247 142099.66
14D	14 8054.23	14 8054.23	28 16108.46	56 32216.92	84 48325.39	98 56379.62	126 72488.08	154 88596.54	182 104705.01	196 112759.24	224 128867.70	252 144976.17
15D	15 8629.53	15 8629.53	30 17259.06	60 34518.13	75 43147.67	105 60406.73	135 77665.80	150 86295.34	180 103554.40	195 112183.94	225 129443.07	255 146702.07
16D	0 0.00	0 0.00	32 18409.67	48 27614.50	80 46024.18	96 55229.01	128 73638.69	144 82843.52	176 101253.19	192 110458.03	224 128867.70	240 138072.54

\*1: D: data disk

\*2: It indicates component unit and range when RKAKSs are connected to the RKS/RKES/RKM/RKEM

\*3: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKS/RKES.

\*4: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKM.

\*5: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKEM.

Table 8-60: RAID 0 SAS/SAS(SED) Disk Drive Capacities (600 GB) 1 of 2

Drive capacity	575.30 GB														
Unit	RKS/RKES/RKM/RKEM	RKAK													
Range	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Unit	RKAK/RKAKD (Note2)														
Range	1 (Note2)	2	3	4	5	6	7	8	9	10	11	12	13	14	15

**Table 8-60: RAID 0 SAS/SAS(SED) Disk Drive Capacities (600 GB) 1 of 2 (Continued)**

Drive capacity	575.30 GB															
Total Range	Min.	15 (max)	30	45	60	75	90	105	120 (max) (Note3)	135	150	165	180	195	210	225
2D (Note 1)	2	14	30	44	60	74	90	104	120	134	150	164	180	194	210	224
	1150.60	8054.23	17259.06	25313.29	34518.13	42572.36	51777.20	59831.43	69036.27	77090.50	86295.34	94349.57	103554.40	111608.64	120813.47	128867.70
3D	3	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
	1725.90	8629.53	17259.06	25888.60	34518.13	43147.67	51777.20	60406.73	69036.27	77665.80	86295.34	94924.87	103554.40	112183.94	120813.47	129443.01
4D	4	12	28	44	60	72	88	104	120	132	148	164	180	192	208	224
	2301.20	6903.62	16108.46	25313.29	34518.13	41421.76	50626.59	59831.43	69036.27	75939.89	85144.73	94349.57	103554.40	110458.03	119662.87	128867.70
5D	5	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
	2876.51	8629.53	17259.06	25888.60	34518.13	43147.67	51777.20	60406.73	69036.27	77665.80	86295.34	94924.87	103554.40	112183.94	120813.47	129443.01
6D	6	12	30	42	60	72	90	102	120	132	150	162	180	192	210	222
	3451.81	6903.62	17259.06	24162.69	34518.13	41421.76	51777.20	58680.83	69036.27	75939.89	86295.34	93198.96	103554.40	110458.03	120813.47	127717.10
7D	7	14	28	42	56	70	84	105	119	133	147	161	175	189	210	224
	4027.11	8054.23	16108.46	24162.69	32216.92	40271.15	48325.39	60406.73	68460.97	76515.20	84569.43	92623.66	100677.89	108732.12	120813.47	128867.70
8D	8	8	24	40	56	72	88	104	120	128	144	160	176	192	208	224
	4602.41	4602.41	13807.25	23012.09	32216.92	41421.76	50626.59	59831.43	69036.27	73638.69	82843.52	92048.36	101253.19	110458.03	119662.87	128867.70
9D	9	9	27	45	54	72	90	99	117	135	144	162	180	189	207	225
	5177.72	5177.72	15533.16	25888.60	31066.32	41421.76	51777.20	56954.92	67310.36	77665.80	82843.52	93198.96	103554.40	108732.12	119087.57	129443.01
10D	10	10	30	40	60	70	90	100	120	130	150	160	180	190	210	220
	5753.02	5753.02	17259.06	23012.09	34518.13	40271.15	51777.20	57530.22	69036.27	74789.29	86295.34	92048.36	103554.40	109307.43	120813.47	126566.49
11D	11	11	22	44	55	66	88	99	110	132	143	165	176	187	209	220
	6328.32	6328.32	12656.64	25313.29	31641.62	37969.94	50626.59	56954.92	63283.24	75939.89	82268.22	94924.87	101253.19	107581.52	120238.17	126566.49
12D	12	12	24	36	60	72	84	96	120	132	144	156	180	192	204	216
	6903.62	6903.62	13807.25	20710.88	34518.13	41421.76	48325.39	55229.01	69036.27	75939.89	82843.52	89747.15	103554.40	110458.03	117361.66	124265.29
13D	13	13	26	39	52	65	78	104	117	130	143	156	169	195	208	221
	7478.92	7478.92	14957.85	22436.78	29915.71	37394.64	44873.57	59831.43	67310.36	74789.29	82268.22	89747.15	97226.08	112183.94	119662.87	127141.80
14D	14	14	28	42	56	70	84	98	112	126	140	154	168	182	210	224
	8054.23	8054.23	16108.46	24162.69	32216.92	40271.15	48325.39	56379.62	64433.85	72488.08	80542.31	88596.54	96650.78	104705.01	120813.47	128867.70
15D	15	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
	8629.53	8629.53	17259.06	25888.60	34518.13	43147.67	51777.20	60406.73	69036.27	77665.80	86295.34	94924.87	103554.40	112183.94	120813.47	129443.01
16D	0	0	16	32	48	64	80	96	112	128	144	160	176	192	208	224
	0.00	0.00	9204.83	18409.67	27614.50	36819.34	46024.18	55229.01	64433.85	73638.69	82843.52	92048.36	101253.19	110458.03	119662.87	128867.70

**Note 1:** D: data disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKS/RKES.

**Table 8-61: RAID 0 SAS/SAS(SED) Disk Drive Capacities (600 GB) 2 of 2**

Drive capacity	575.30 GB																
Unit	RKAK																
Range	15																
Unit	RKAK/RKAKD (Note2)																
Range	16 (Note2)	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range	240 (max) (Note3)	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (Max) (Note4)
2D (Note 1)	240	254	270	284	300	314	330	344	360	374	390	404	420	434	450	464	480
	138072.54	146126.77	155331.61	163385.84	172590.68	180644.91	189849.74	197903.98	207108.81	215163.04	224367.88	232422.11	241626.95	249681.18	258886.02	266940.25	276145.09
3D	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480
	138072.54	146702.07	155331.61	163961.14	172590.68	181220.21	189849.74	198479.28	207108.81	215738.35	224367.88	232997.41	241626.95	250256.48	258886.02	267515.55	276145.09
4D	240	252	268	284	300	312	328	344	360	372	388	404	420	432	448	464	480
	138072.54	144976.17	154181.00	163385.84	172590.68	179494.30	188699.14	197903.98	207108.81	214012.44	223217.28	232422.11	241626.95	248530.58	257735.41	266940.25	276145.09
5D	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480
	138072.54	146702.07	155331.61	163961.14	172590.68	181220.21	189849.74	198479.28	207108.81	215738.35	224367.88	232997.41	241626.95	250256.48	258886.02	267515.55	276145.09
6D	240	252	270	282	300	312	330	342	360	372	390	402	420	432	450	462	480
	138072.54	144976.17	155331.61	162235.24	172590.68	179494.30	189849.74	196753.37	207108.81	214012.44	224367.88	231271.51	241626.95	248530.58	258886.02	265789.64	276145.09
7D	238	252	266	280	294	315	329	343	357	371	385	399	420	434	448	462	476
	136921.94	144976.17	153030.40	161084.63	169138.86	181220.21	189274.44	197328.67	205382.91	213437.14	221491.37	229545.60	241626.95	249681.18	257735.41	265789.64	273843.88
8D	240	248	264	280	296	312	328	344	360	368	384	400	416	432	448	464	480
	138072.54	142674.96	151879.79	161084.63	170289.47	179494.30	188699.14	197903.98	207108.81	211711.23	220916.07	230120.90	239325.74	248530.58	257735.41	266940.25	276145.09
9D	234	252	270	279	297	315	324	342	360	369	387	405	414	432	450	459	477
	134620.73	144976.17	155331.61	160509.33	170864.77	181220.21	186397.93	196753.37	207108.81	212286.53	222641.97	232997.41	238175.14	248530.58	258886.02	264063.74	274419.18
10D	240	250	270	280	300	310	330	340	360	370	390	400	420	430	450	460	480
	138072.54	143825.56	155331.61	161084.63	172590.68	178343.70	189849.74	195602.77	207108.81	212861.84	224367.88	230120.90	241626.95	247379.97	258886.02	264639.04	276145.09
11D	231	253	264	275	297	308	330	341	352	374	385	396	418	429	440	462	473
	132894.82	145551.47	151879.79	158208.12	170864.77	177193.09	189849.74	196178.07	202506.39	215163.04	221491.37	227819.69	240476.34	246804.67	253132.99	265789.64	272117.97
12D	240	252	264	276	300	312	324	336	360	372	384	396	420	432	444	456	480
	138072.54	144976.17	151879.79	158783.42	172590.68	179494.30	186397.93	193301.56	207108.81	214012.44	220916.07	227819.69	241626.95	248530.58	255434.20	262337.83	276145.09
13D	234	247	260	273	299	312	325	338	351	364	390	403	416	429	442	455	468
	134620.73	142099.66	149578.59	157057.51	172015.37	179494.30	186973.23	194452.16	201931.09	209410.02	224367.88	231846.81	239325.74	246804.67	254283.60	261762.53	269241.46
14D	238	252	266	280	294	308	322	336	350	364	378	392	420	434	448	462	476
	136921.94	144976.17	153030.40	161084.63	169138.86	177193.09	185247.33	193301.56	201355.79	209410.02	217464.25	225518.49	241626.95	249681.18	257735.41	265789.64	273843.88
15D	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480
	138072.54	146702.07	155331.61	163961.14	172590.68	181220.21	189849.74	198479.28	207108.81	215738.35	224367.88	232997.41	241626.95	250256.48	258886.02	267515.55	276145.09
16D	240	240	256	272	288	304	320	336	352	368	384	400	416	432	448	464	480
	138072.54	138072.54	147277.38	156482.21	165687.05	174891.89	184096.72	193301.56	202506.39	211711.23	220916.07	230120.90	239325.74	248530.58	257735.41	266940.25	276145.09

**Note 1:** D: data disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKM/RKEM.

**Note 4:** indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

## RAID 1 SAS/SAS(SED) disk drive capacities (600 GB)

Table 8-62: RAID 1 SAS/SAS(SED) disk drive capacities (600 GB)

Disk capacity	575.30 G bytes											
Component unit	RKS/RKEM/RKM/RKEM		RKAKS									
Range	1 (*2)		1	2	3	4	5	6	7	8	9	10
Total range of Disk drives	Min.	15 (Max)	39	63	87	111	135	159 (*3)(Max)	183	207	231 (*4)(Max)	255 (*5)(Max)
1D+1D (*1)	2 575.30	14 4027.11	38 10930.74	62 17834.37	86 24737.99	110 31641.62	134 38545.25	158 45448.87	182 52352.50	206 59256.13	230 66159.76	254 73063.38

\*1: D: data disk  
 \*2: It indicates component unit and range when RKAKSs are connected to the RKS/RKES/RKM/RKEM  
 \*3: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKS/RKES.  
 \*4: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKM.  
 \*5: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKEM.

## RAID 1 SAS/SAS(SED) Disk Drive Capacities (600 GB) for RKAKS

Table 8-63: RAID 1 SAS/SAS(SED) Disk Drive Capacities (600 GB) for RKAKS

Disk capacity	575.30 G bytes										
Component unit	RKAKS										
Range	1 (*2)		2	3	4	5	6	7	8	9	10
Total range of Disk drives	Min.	24 (Max)	48	72	96	120	144	168	192	216	240
2D+2D (*1)	4 1150.60	24 6903.62	48 13807.25	72 20710.88	96 27614.50	120 34518.13	144 41421.76	168 48325.39	192 55229.01	216 62132.64	240 69036.27
3D+3D	6 1725.90	24 6903.62	48 13807.25	72 20710.88	96 27614.50	120 34518.13	144 41421.76	168 48325.39	192 55229.01	216 62132.64	240 69036.27
4D+4D	8 2301.20	24 6903.62	48 13807.25	72 20710.88	96 27614.50	120 34518.13	144 41421.76	168 48325.39	192 55229.01	216 62132.64	240 69036.27
5D+5D	10 2876.51	24 6903.62	48 13807.25	72 20710.88	96 27614.50	120 34518.13	144 41421.76	168 48325.39	192 55229.01	216 62132.64	240 69036.27
6D+6D	12 3451.81	24 6903.62	48 13807.25	72 20710.88	96 27614.50	120 34518.13	144 41421.76	168 48325.39	192 55229.01	216 62132.64	240 69036.27
7D+7D	14 4027.11	24 6903.62	48 13807.25	72 20710.88	96 27614.50	120 34518.13	144 41421.76	168 48325.39	192 55229.01	216 62132.64	240 69036.27
8D+8D	16 4602.41	24 6903.62	48 13807.25	72 20710.88	96 27614.50	120 34518.13	144 41421.76	168 48325.39	192 55229.01	216 62132.64	240 69036.27

Disk capacity	575.30 G bytes									
Component unit	RKAKS									
Range	11 (*2)	12	13	14	15	16	17	18	19	20
Total range of Disk drives	264	288	312	336	360	384	408	432	456	480 (Max) (*3)
2D+2D (*1)	264 75939.89	288 82843.52	312 89747.15	336 96650.78	360 103554.40	384 110458.03	408 117361.66	432 124265.29	456 131168.91	480 138072.54
3D+3D	264 75939.89	288 82843.52	312 89747.15	336 96650.78	360 103554.40	384 110458.03	408 117361.66	432 124265.29	456 131168.91	480 138072.54
4D+4D	264 75939.89	288 82843.52	312 89747.15	336 96650.78	360 103554.40	384 110458.03	408 117361.66	432 124265.29	456 131168.91	480 138072.54
5D+5D	260	280	310	330	360	380	400	430	450	480

	74789.29	80542.31	89171.85	94924.87	103554.4	109307.4	115060.4	123689.9	129443.0	138072.5
					0	3	5	8	1	4
6D+6D	264 75939.89	288 82843.52	312 89747.15	336 96650.78	360 103554.4	384 110458.0	408 117361.6	432 124265.2	456 131168.9	480 138072.5
7D+7D	252 72488.08	280 80542.31	308 88596.54	336 96650.78	350 100677.8	378 108732.1	406 116786.3	420 120813.4	448 128867.7	476 136921.9
8D+8D	256 73638.69	288 82843.52	304 87445.94	336 96650.78	352 101253.1	384 110458.0	400 115060.4	432 124265.2	448 128867.7	480 138072.5

\*1:

1. D: data disk

\*2: It indicates RKAKSs range. The basic chassis is not included.

\*3: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKH/RKHE/RKEH.

**Table 8-64: RAID 1 SAS/SAS(SED) Disk Drive Capacities (600 GB) 1 of 2**

Drive capacity	575.30 GB															
Unit	RKS/RKES/RKM/RKEM	RKAK														
Range	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Unit	RKAK/RKAKD (Note2)															
Range	1 (Note2)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Total Range	Min.	15 (max)	30	45	60	75	90	105	120 (max) (Note3)	135	150	165	180	195	210	225
1D+1D (Note 1)	2	14	30	44	60	74	90	104	120	134	150	164	180	194	210	224
	575.30	4027.11	8629.53	12656.64	17259.06	21286.18	25888.60	29915.71	34518.13	38545.25	43147.67	47174.78	51777.20	55804.32	60406.73	64433.85

**Table 8-65: RAID 1 SAS/SAS(SED) Disk Drive Capacities (600 GB) 2 of 2**

Drive capacity	575.30 GB																	
Unit	RKAK																	
Range	15																	
Unit	RKAK/RKAKD (Note2)																	
Range	16 (Note2)	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
Total Range	240 (max) (Note4)	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (max) (Note5)	
1D+1D (Note 1)	240	254	270	284	300	314	330	344	360	374	390	404	420	434	450	464	480	
	69036.27	73063.38	77665.80	81692.92	86295.34	90322.45	94924.87	98951.99	103554.40	107581.52	112183.94	116211.05	120813.47	124840.59	129443.01	133470.12	138072.54	

**Note 1:** D: data disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKS/RKES.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKM/RKEM.

**Note 5:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

## RAID 5 SAS/SAS(SED) disk drive capacities (600 GB)

**Table 8-66: RAID 5 SAS/SAS(SED) disk drive capacities (600 GB)**

Disk capacity	575.30 G bytes												
Component unit	RKS/RKES/RKM/RKEM	RKAKS											
Range	1 (*2)	1	2	3	4	5	6	7	8	9	10		
Total range of Disk drives	Min.	15 (Max)	39	63	87	111	135	159 (*3) (Max)	183	207	231 (*4) (Max)	255 (*5) (Max)	
2D+1P (*1)	3	15	39	63	87	111	135	159	183	207	231	255	
	1150.60	5753.02	14957.85	24162.69	33367.53	42572.36	51777.20	60982.04	70186.87	79391.71	88596.54	97801.38	

3D+1P	4 1725.90	12 5177.72	36 15533.16	60 25888.60	84 36244.04	108 46599.48	132 56954.92	156 67310.36	180 77665.80	204 88021.24	228 98376.68	252 108732.12
4D+1P	5 2301.20	15 6903.62	35 16108.46	60 27614.50	85 39120.55	110 50626.59	135 62132.64	155 71337.48	180 82843.52	205 94349.57	230 105855.61	255 117361.66
5D+1P	6 2876.51	12 5753.02	36 17259.06	60 28765.11	84 40271.15	108 51777.20	132 63283.24	156 74789.29	180 86295.34	204 97801.38	228 109307.43	252 120813.47
6D+1P	7 3451.81	14 6903.62	35 17259.06	63 31066.32	84 41421.76	105 51777.20	133 65584.45	154 75939.89	182 89747.15	203 100102.59	231 113909.84	252 124265.29
7D+1P	8 4027.11	8 4027.11	32 16108.46	56 28189.81	80 40271.15	104 52352.50	128 64433.85	152 76515.20	176 88596.54	200 100677.89	224 112759.24	248 124840.59
8D+1P	9 4602.41	9 4602.41	36 18409.67	63 32216.92	81 41421.76	108 55229.01	135 69036.27	153 78241.10	180 92048.36	207 105855.61	225 115060.45	252 128867.70
9D+1P	10 5177.72	10 5177.72	30 15533.16	60 31066.32	80 41421.76	110 56954.92	130 67310.36	150 77665.80	180 93198.96	200 103554.40	230 119087.57	250 129443.01
10D+1P	11 5753.02	11 5753.02	33 17259.06	55 28765.11	77 40271.15	110 57530.22	132 69036.27	154 80542.31	176 92048.36	198 103554.40	231 120813.47	253 132319.52
11D+1P	12 6328.32	12 6328.32	36 18984.97	60 31641.62	84 44298.27	108 56954.92	132 69611.57	156 82268.22	180 94924.87	204 107581.52	228 120238.17	252 132894.82
12D+1P	13 6903.62	13 6903.62	39 20710.88	52 27614.50	78 41421.76	104 55229.01	130 69036.27	156 82843.52	182 96650.78	195 103554.40	221 117361.66	247 131168.91
13D+1P	14 7478.92	14 7478.92	28 14957.85	56 29915.71	84 44873.57	98 52352.50	126 67310.36	154 82268.22	182 97226.08	196 104705.01	224 119662.87	252 134620.73
14D+1P	15 8054.23	15 8054.23	30 16108.46	60 32216.92	75 40271.15	105 56379.62	135 72488.08	150 80542.31	180 96650.78	195 104705.01	225 120813.47	255 136921.94
15D+1P	0 0.00	0 0.00	32 17259.06	48 25888.60	80 43147.67	96 51777.20	128 69036.27	144 77665.80	176 94924.87	192 103554.40	224 120813.47	240 129443.01

\*1: D: data disk

\*2: It indicates component unit and range when RKAKSs are connected to the RKS/RKES/RKM/RKEM

\*3: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKS/RKES.

\*4: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKM.

\*5: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKEM.

**Table 8-67: RAID 5 SAS/SAS(SED) Disk Drive Capacities (600 GB) 2 of 2**

Drive capacity	575.30 GB																
Unit	RKAK																
Range	15																
Unit	RKAK/RKAKD (Note2)																
Range	16 (Note2)	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range	240 (max) (Note3)	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (ax) (Note4)
2D+1P (Note 1)	240 92048.36	255 97801.38	270 103554.40	285 109307.43	300 115060.45	315 120813.47	330 126566.49	345 132319.52	360 138072.54	375 143825.56	390 149578.59	405 155331.61	420 161084.63	435 166837.65	450 172590.68	465 178343.70	480 184096.72
3D+1P	240 103554.40	252 108732.12	268 115635.75	284 122539.38	300 129443.01	312 134620.73	328 141524.35	344 148427.98	360 155331.61	372 160509.33	388 167412.96	404 174316.58	420 181220.21	432 186397.93	448 193301.56	464 200205.19	480 207108.81
4D+1P	240 110458.03	255 117361.66	270 124265.29	285 131168.91	300 138072.54	315 144976.17	330 151879.79	345 158783.42	360 165687.05	375 172590.68	390 179494.30	405 186397.93	420 193301.56	435 200205.19	450 207108.81	465 214012.44	480 220916.07
5D+1P	240 115060.45	252 120813.47	270 129443.01	282 135196.03	300 143825.56	312 149578.59	330 158208.12	342 163961.14	360 172590.68	372 178343.70	390 186973.23	402 192726.26	420 201355.79	432 207108.81	450 215738.35	462 221491.37	480 230120.90
6D+1P	238 117361.66	252 124265.29	266 131168.91	280 138072.54	294 144976.17	315 155331.61	329 162235.24	343 169138.86	357 176042.49	371 182946.12	385 189849.74	399 196753.37	420 207108.81	434 214012.44	448 220916.07	462 227819.69	476 234723.32
7D+1P	240 120813.47	248 124840.59	264 132894.82	280 140949.05	296 149003.28	312 157057.51	328 165111.75	344 173165.98	360 181220.21	368 185247.33	384 193301.56	400 201355.79	416 209410.02	432 217464.25	448 225518.49	464 233572.72	480 241626.95
8D+1P	234 119662.87	252 128867.70	270 138072.54	279 142674.96	297 151879.79	315 161084.63	324 165687.05	342 174891.89	360 184096.72	369 188699.14	387 197903.98	405 207108.81	414 211711.23	432 220916.07	450 230120.90	459 234723.32	477 243928.16
9D+1P	240 124265.29	250 129443.01	270 139798.45	280 144976.17	300 155331.61	310 160509.33	330 170864.77	340 176042.49	360 186397.93	370 191575.65	390 201931.09	400 207108.81	420 217464.25	430 222641.97	450 232997.41	460 238175.14	480 248530.58
10D+1P	231 120813.47	253 132319.52	264 138072.54	275 143825.56	297 155331.61	308 161084.63	330 172590.68	341 178343.70	352 184096.72	374 195602.77	385 201355.79	396 207108.81	418 218614.86	429 224367.88	440 230120.90	462 241626.95	473 247379.97
11D+1P	240 126566.49	252 132894.82	264 139223.14	276 145551.47	300 158208.12	312 164536.44	324 170864.77	336 177193.09	360 189849.74	372 196178.07	384 202506.39	396 208834.72	420 221491.37	432 227819.69	444 234148.02	456 240476.34	480 253132.99
12D+1P	234 124265.29	247 131168.91	260 138072.54	273 144976.17	299 158783.42	312 165687.05	325 172590.68	338 179494.30	351 186397.93	364 193301.56	390 207108.81	403 214012.44	416 220916.07	429 227819.69	442 234723.32	455 241626.95	468 248530.58
13D+1P	238 127141.80	252 134620.73	266 142099.66	280 149578.59	294 157057.51	308 164536.44	322 172015.37	336 179494.30	350 186973.23	364 194452.16	378 201931.09	392 209410.02	420 224367.88	434 231846.81	448 239325.74	462 246804.67	476 254283.60
14D+1P	240 128867.70	255 136921.94	270 144976.17	285 153030.40	300 161084.63	315 169138.86	330 177193.09	345 185247.33	360 193301.56	375 201355.79	390 209410.02	405 217464.25	420 225518.49	435 233572.72	450 241626.95	465 249681.18	480 257735.41
15D+1P	240 129443.01	240 129443.01	256 138072.54	272 146702.07	288 155331.61	304 163961.14	320 172590.68	336 181220.21	352 189849.74	368 198479.28	384 207108.81	400 215738.35	416 224367.88	432 232997.41	448 241626.95	464 250256.48	480 258886.02

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKM/RKEM.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

## RAID 6 SAS/SAS (SED) disk drive capacities (600 GB) for RKAKS

Disk capacity	575.30 G bytes									
Component unit	RKAKS									
Range	1 (*2)	2	3	4	5	6	7	8	9	10

Total range of Disk drives	Min.	24 (Max)	48	72	96	120	144	168	192	216	240
2D+2P (1)	4 1150.60	24 6903.62	48 13807.25	72 20710.88	96 27614.50	120 34518.13	144 41421.76	168 48325.39	192 55229.01	216 62132.64	240 69036.27
3D+2P	5 1725.90	20 6903.62	45 15533.16	70 24162.69	95 32792.22	120 41421.76	140 48325.39	165 56954.92	190 65584.45	215 74213.99	240 82843.52
4D+2P	6 2301.20	24 9204.83	48 18409.67	72 27614.50	96 36819.34	120 46024.18	144 55229.01	168 64433.85	192 73638.69	216 82843.52	240 92048.36
5D+2P	7 2876.51	21 8629.53	42 17259.06	70 28765.11	91 37394.64	119 48900.69	140 57530.22	168 69036.27	189 77665.80	210 86295.34	238 97801.38
6D+2P	8 3451.81	24 10355.44	48 20710.88	72 31066.32	96 41421.76	120 51777.20	144 62132.64	168 72488.08	192 82843.52	216 93198.96	240 103554.40
7D+2P	9 4027.11	18 8054.23	45 20135.57	72 32216.92	90 40271.15	117 52352.50	144 64433.85	162 72488.08	189 84569.43	216 96650.78	234 104705.01
8D+2P	10 4602.41	20 9204.83	40 18409.67	70 32216.92	90 41421.76	120 55229.01	140 64433.85	160 73638.69	190 87445.94	210 96650.78	240 110458.03
9D+2P	11 5177.72	22 10355.44	44 20710.88	66 31066.32	88 41421.76	110 51777.20	143 67310.36	165 77665.80	187 88021.24	209 98376.68	231 108732.12
10D+2P	12 5753.02	24 11506.04	48 23012.09	72 34518.13	96 46024.18	120 57530.22	144 69036.27	168 80542.31	192 92048.36	216 103554.40	240 115060.45
11D+2P	13 6328.32	13 6328.32	39 18984.97	65 31641.62	91 44298.27	117 56954.92	143 69611.57	156 75939.89	182 88596.54	208 101253.19	234 113909.84
12D+2P	14 6903.62	14 6903.62	42 20710.88	70 34518.13	84 41421.76	112 55229.01	140 69036.27	168 82843.52	182 89747.15	210 103554.40	238 117361.66
13D+2P	15 7478.92	15 7478.92	45 22436.78	60 29915.71	90 44873.57	120 59831.43	135 67310.36	165 82268.22	180 89747.15	210 104705.01	240 119662.87
14D+2P	0 0.00	0 0.00	48 24162.69	64 32216.92	96 48325.39	112 56379.62	144 72488.08	160 80542.31	192 96650.78	208 104705.01	240 120813.47
15D+2P	0 0.00	0 0.00	34 17259.06	68 34518.13	85 43147.67	119 60406.73	136 69036.27	153 77665.80	187 94924.87	204 103554.40	238 120813.47
16D+2P	0 0.00	0 0.00	36 18409.67	72 36819.34	90 46024.18	108 55229.01	144 73638.69	162 82843.52	180 92048.36	216 110458.03	234 119662.87
17D+2P	0 0.00	0 0.00	38 19560.27	57 29340.41	95 48900.69	114 58680.83	133 68460.97	152 78241.10	190 97801.38	209 107581.52	228 117361.66
18D+2P	0 0.00	0 0.00	40 20710.88	60 31066.32	80 41421.76	120 62132.64	140 72488.08	160 82843.52	180 93198.96	200 103554.40	240 124265.29
19D+2P	0 0.00	0 0.00	42 21861.48	63 32792.22	84 43722.97	105 54653.71	126 65584.45	168 87445.94	189 98376.68	210 109307.43	231 120238.17
20D+2P	0 0.00	0 0.00	44 23012.09	66 34518.13	88 46024.18	110 57530.22	132 69036.27	154 80542.31	176 92048.36	198 103554.40	220 115060.45
21D+2P	0 0.00	0 0.00	46 24162.69	69 36244.04	92 48325.39	115 60406.73	138 72488.08	161 84569.43	184 96650.78	207 108732.12	230 120813.47
22D+2P	0 0.00	0 0.00	48 25313.29	72 37969.94	96 50626.59	120 63283.24	144 75939.89	168 88596.54	192 101253.19	216 113909.84	240 126566.49
23D+2P	0 0.00	0 0.00	25 13231.95	50 26463.90	75 39695.85	100 52927.80	125 66159.76	150 79391.71	175 92623.66	200 105855.61	225 119087.57
24D+2P	0 0.00	0 0.00	26 13807.25	52 27614.50	78 41421.76	104 55229.01	130 69036.27	156 82843.52	182 96650.78	208 110458.03	234 124265.29
25D+2P	0 0.00	0 0.00	27 14382.55	54 28765.11	81 43147.67	108 57530.22	135 71912.78	162 86295.34	189 100677.89	216 115060.45	216 115060.45
26D+2P	0 0.00	0 0.00	28 14957.85	56 29915.71	84 44873.57	112 59831.43	140 74789.29	168 89747.15	168 89747.15	196 104705.01	224 119662.87
27D+2P	0 0.00	0 0.00	29 15533.16	58 31066.32	87 46599.48	116 62132.64	116 62132.64	145 77665.80	174 93198.96	203 108732.12	232 124265.29
28D+2P	0 0.00	0 0.00	30 16108.46	60 32216.92	90 48325.39	120 64433.85	120 64433.85	150 80542.31	180 96650.78	210 112759.24	240 128867.70

\*1: D: data disk, P: parity disk

\*2: It indicates RKAkSs range. The basic chassis is not included.

Disk capacity	575.30 G bytes										
Component unit	RKAkS										
Range	11 (*2)	12	13	14	15	16	17	18	19	20	

Total range of Disk drives	264	288	312	336	360	384	408	432	456	480 (Max) (*3)
2D+2P (*1)	264 75939.89	288 82843.52	312 89747.15	336 96650.78	360 103554.4 0	384 110458.0 3	408 117361.6 6	432 124265.2 9	456 131168.9 1	480 138072.5 4
3D+2P	260 89747.15	285 98376.68	310 107006.2 2	335 115635.7 5	360 124265.2 9	380 131168.9 1	405 139798.4 5	430 148427.9 8	455 157057.5 1	480 165687.0 5
4D+2P	264 101253.1 9	288 110458.0 3	312 119662.8 7	336 128867.7 0	360 138072.5 4	384 147277.3 8	408 156482.2 1	432 165687.0 5	456 174891.8 9	480 184096.7 2
5D+2P	259 106430.9 2	287 117936.9 6	308 126566.4 9	336 138072.5 4	357 146702.0 7	378 155331.6 1	406 166837.6 5	427 175467.1 9	455 186973.2 3	476 195602.7 7
6D+2P	264 113909.8 4	288 124265.2 9	312 134620.7 3	336 144976.1 7	360 155331.6 1	384 165687.0 5	408 176042.4 9	432 186397.9 3	456 196753.3 7	480 207108.8 1
7D+2P	261 116786.3 6	288 128867.7 0	306 136921.9 4	333 149003.2 8	360 161084.6 3	378 169138.8 6	405 181220.2 1	432 193301.5 6	450 201355.7 9	477 213437.1 4
8D+2P	260 119662.8 7	280 128867.7 0	310 142674.9 6	330 151879.7 9	360 165687.0 5	380 174891.8 9	400 184096.7 2	430 197903.9 8	450 207108.8 1	480 220916.0 7
9D+2P	264 124265.2 9	286 134620.7 3	308 144976.1 7	330 155331.6 1	352 165687.0 5	374 176042.4 9	407 191575.6 5	429 201931.0 9	451 212286.5 3	473 222641.9 7
10D+2P	264 126566.4 9	288 138072.5 9	312 149578.5 9	336 161084.6 3	360 172590.6 8	384 184096.7 2	408 195602.7 7	432 207108.8 1	456 218614.8 6	480 230120.9 0
11D+2P	260 126566.4 9	286 139223.1 4	312 151879.7 9	325 158208.1 2	351 170864.7 7	377 183521.4 2	403 196178.0 7	429 208834.7 2	455 221491.3 7	468 227819.6 9
12D+2P	252 124265.2 9	280 138072.5 4	308 151879.7 9	336 165687.0 5	350 172590.6 8	378 186397.9 3	406 200205.1 9	420 207108.8 1	448 220916.0 7	476 234723.3 2
13D+2P	255 127141.8 0	285 142099.6 6	300 149578.5 9	330 164536.4 4	360 179494.3 0	375 186973.2 3	405 201931.0 9	420 209410.0 2	450 224367.8 8	480 239325.7 4
14D+2P	256 128867.7 0	288 144976.1 7	304 153030.4 0	336 169138.8 6	352 177193.0 9	384 193301.5 6	400 201355.7 9	432 217464.2 5	448 225518.4 9	480 241626.9 5
15D+2P	255 129443.0 1	272 138072.5 1	306 155331.6 4	323 163961.1 1	357 181220.2 4	374 189849.7 1	408 207108.8 4	425 215738.3 1	442 224367.8 5	476 241626.9 5
16D+2P	252 128867.7 0	288 147277.3 1	306 156482.2 1	324 165687.0 5	360 184096.7 2	378 193301.5 6	396 202506.3 9	432 220916.0 7	450 230120.9 0	468 239325.7 4
17D+2P	247 127141.8 0	285 146702.0 7	304 156482.2 1	323 166262.3 5	342 176042.4 9	380 195602.7 7	399 205382.9 1	418 215163.0 4	456 234723.3 2	475 244503.4 6
18D+2P	260 134620.7 3	280 144976.1 7	300 155331.6 1	320 165687.0 5	360 186397.9 3	380 196753.3 7	400 207108.8 1	420 217464.2 5	440 227819.6 9	480 248530.5 8
19D+2P	252 131168.9 1	273 142099.6 6	294 153030.4 0	336 174891.8 9	357 185822.6 3	378 196753.3 7	399 207684.1 1	420 218614.8 6	441 229545.6 0	462 240476.3 4
20D+2P	264 138072.5 4	286 149578.5 9	308 161084.6 3	330 172590.6 8	352 184096.7 2	374 195602.7 7	396 207108.8 1	418 218614.8 6	440 230120.9 0	462 241626.9 5
21D+2P	253 132894.8 2	276 144976.1 7	299 157057.5 1	322 169138.8 6	345 181220.2 1	368 193301.5 6	391 205382.9 1	414 217464.2 5	437 229545.6 0	460 241626.9 5
22D+2P	264 139223.1 4	288 151879.7 4	312 164536.4 4	336 177193.0 9	360 189849.7 4	384 202506.3 9	408 215163.0 4	432 227819.6 9	456 240476.3 4	480 253132.9 9
23D+2P	250 132319.5 2	275 145551.4 7	300 158783.4 2	325 172015.3 7	350 185247.3 3	375 198479.2 8	400 211711.2 3	425 224943.1 8	450 238175.1 4	475 251407.0 9
24D+2P	260 138072.5 4	286 151879.7 9	312 165687.0 5	312 179494.3 0	338 193301.5 6	364 207108.8 1	390 220916.0 7	416 22916.0 2	442 234723.3 8	468 248530.5 8
25D+2P	243 129443.0 1	270 143825.5 6	297 158208.1 2	324 172590.6 8	351 186973.2 3	378 201355.7 9	405 215738.3 5	432 230120.9 0	459 244503.4 6	
26D+2P	252 134620.7 3	280 149578.5 9	308 164536.4 4	336 179494.3 0	336 179494.3 0	364 194452.1 6	392 209410.0 2	420 224367.8 8	448 239325.7 4	476 254283.6 0
27D+2P	261 139798.4 5	261 139798.4 5	290 155331.6 1	319 170864.7 7	348 186397.9 3	377 201931.0 9	406 217464.2 5	406 217464.2 5	435 232997.4 1	464 248530.5 8
28D+2P	240 128867.7 0	270 144976.1 3	300 161084.6 3	330 177193.0 9	360 193301.5 6	360 193301.5 2	390 209410.0 2	420 225518.4 9	450 241626.9 5	480 257735.4 1

\*1: D: data disk, P: parity disk

\*2: It indicates RKAKSs range. The basic chassis is not included.

\*3: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKH/RKHE/RKEH.

# RAID 6 SAS/SAS(SED) disk drive capacities (600 GB)

**Table 8-68: RAID 6 SAS/SAS(SED) disk drive capacities (600 GB)**

Disk capacity	575.30 G bytes											
Component unit	RKS/RKES/RKM/RKEM		RKAKS									
Range	1 (*2)		1	2	3	4	5	6	7	8	9	10
Total range of Disk drives	Min.	15 (Max)	39	63	87	111	135	159 (*3)(Max)	183	207	231 (*4)(Max)	255 (*5)(Max)
2D+2P	4	12	36	60	84	108	132	156	180	204	228	252
(*1)	1150.60	3451.81	10355.44	17259.06	24162.69	31066.32	37969.94	44873.57	51777.20	58680.83	65584.45	72488.08
3D+2P	5	15	35	60	85	110	135	155	180	205	230	255
	1725.90	5177.72	12081.34	20710.88	29340.41	37969.94	46599.48	53503.11	62132.64	70762.17	79391.71	88021.24
4D+2P	6	12	36	60	84	108	132	156	180	204	228	252
	2301.20	4602.41	13807.25	23012.09	32216.92	41421.76	50626.59	59831.43	69036.27	78241.10	87445.94	96650.78
5D+2P	7	14	35	63	84	105	133	154	182	203	231	252
	2876.51	5753.02	14382.55	25888.60	34518.13	43147.67	54653.71	63283.24	74789.29	83418.82	94924.87	103554.40
6D+2P	8	8	32	56	80	104	128	152	176	200	224	248
	3451.81	3451.81	13807.25	24162.69	34518.13	44873.57	55229.01	65584.45	75939.89	86295.34	96650.78	107006.22
7D+2P	9	9	36	63	81	108	135	153	180	207	225	252
	4027.11	4027.11	16108.46	28189.81	36244.04	48325.39	60406.73	68460.97	80542.31	92623.66	100677.89	112759.24
8D+2P	10	10	30	60	80	110	130	150	180	200	230	250
	4602.41	4602.41	13807.25	27614.50	36819.34	50626.59	59831.43	69036.27	82843.52	92048.36	105855.61	115060.45
9D+2P	11	11	33	55	77	110	132	154	176	198	231	253
	5177.72	5177.72	15533.16	25888.60	36244.04	51777.20	62132.64	72488.08	82843.52	93198.96	108732.12	119087.57
10D+2P	12	12	36	60	84	108	132	156	180	204	228	252
	5753.02	5753.02	17259.06	28765.11	40271.15	51777.20	63283.24	74789.29	86295.34	97801.38	109307.43	120813.47
11D+2P	13	13	39	52	78	104	130	156	182	195	221	247
	6328.32	6328.32	18984.97	25313.29	37969.94	50626.59	63283.24	75939.89	88596.54	94924.87	107581.52	120238.17
12D+2P	14	14	28	56	84	98	126	154	182	196	224	252
	6903.62	6903.62	13807.25	27614.50	41421.76	48325.39	62132.64	75939.89	89747.15	96650.78	110458.03	124265.29
13D+2P	15	15	30	60	75	105	135	150	180	195	225	255
	7478.92	7478.92	14957.85	29915.71	37394.64	52352.50	67310.36	74789.29	89747.15	97226.08	112183.94	127141.80
14D+2P	0	0	32	48	80	96	128	144	176	192	224	240
	0.00	0.00	16108.46	24162.69	40271.15	48325.39	64433.85	72488.08	88596.54	96650.78	112759.24	120813.47
15D+2P	0	0	34	51	85	102	119	153	170	204	221	255
	0.00	0.00	17259.06	25888.60	43147.67	51777.20	60406.73	77665.80	86295.34	103554.40	112183.94	129443.01
16D+2P	0	0	36	54	72	108	126	144	180	198	216	252
	0.00	0.00	18409.67	27614.50	36819.34	55229.01	64433.85	73638.69	92048.36	101253.19	110458.03	128867.70
17D+2P	0	0	38	57	76	95	133	152	171	190	228	247
	0.00	0.00	19560.27	29340.41	39120.55	48900.69	68460.97	78241.10	88021.24	97801.38	117361.66	127141.80
18D+2P	0	0	20	60	80	100	120	140	180	200	220	240
	0.00	0.00	10355.44	31066.32	41421.76	51777.20	62132.64	72488.08	93198.96	103554.40	113909.84	124265.29
19D+2P	0	0	21	63	84	105	126	147	168	189	231	252
	0.00	0.00	10930.74	32792.22	43722.97	54653.71	65584.45	76515.20	87445.94	98376.68	120238.17	131168.91
20D+2P	0	0	22	44	66	110	132	154	176	198	220	242
	0.00	0.00	11506.04	23012.09	34518.13	57530.22	69036.27	80542.31	92048.36	103554.40	115060.45	126566.49
21D+2P	0	0	23	46	69	92	115	138	161	207	230	253
	0.00	0.00	12081.34	24162.69	36244.04	48325.39	60406.73	72488.08	84569.43	108732.12	120813.47	132894.82
22D+2P	0	0	24	48	72	96	120	144	168	192	216	240
	0.00	0.00	12656.64	25313.29	37969.94	50626.59	63283.24	75939.89	88596.54	101253.19	113909.84	126566.49
23D+2P	0	0	25	50	75	100	125	150	175	200	225	250
	0.00	0.00	13231.95	26463.90	39695.85	52927.80	66159.76	79391.71	92623.66	105855.61	119087.57	132319.52
24D+2P	0	0	26	52	78	104	130	156	182	208	234	252
	0.00	0.00	13807.25	27614.50	41421.76	55229.01	69036.27	82843.52	96650.78	110458.03	124265.29	138072.99
25D+2P	0	0	27	54	81	108	135	135	162	189	216	243
	0.00	0.00	14382.55	28765.11	43147.67	57530.22	71912.78	71912.78	86295.34	100677.89	115060.45	129443.01
26D+2P	0	0	28	56	84	84	112	140	168	196	224	252

	0.00	0.00	14957.85	29915.71	44873.57	44873.57	59831.43	74789.29	89747.15	104705.01	119662.87	134620.73
27D+2P	0	0	29	58	87	87	116	145	174	203	203	232
	0.00	0.00	15533.16	31066.32	46599.48	46599.48	62132.64	77665.80	93198.96	108732.12	108732.12	124265.29
28D+2P	0	0	30	60	90	90	120	150	180	180	210	240
	0.00	0.00	16108.46	32216.92	32216.92	48325.39	64433.85	80542.31	96650.78	96650.78	112759.24	128867.70

- \*1: D: data disk
- \*2: It indicates component unit and range when RKAKSs are connected to the RKS/RKES/RKM/RKEM
- \*3: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKS/RKES.
- \*4: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKM.
- \*5: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKEM.

## RAID 1+0 SAS/SAS(SED) disk drive capacities (600 GB)

Table 8-69: RAID 1+0 SAS/SAS(SED) disk drive capacities (600 GB)

Disk capacity		575.30 G bytes										
Component unit	RKS/RKES/RKM/RKEM	RKAKS										
Range	1 (*2)		1	2	3	4	5	6	7	8	9	10
Total range of Disk drives	Min.	15 (Max)	39	63	87	111	135	159 (*3)(Max)	183	207	231 (*4)(Max)	255 (*5)(Max)
2D+2D (*1)	4	12	36	60	84	108	132	156	180	204	228	252
	1150.60	3451.81	10355.44	17259.06	24162.69	31066.32	37969.94	44873.57	51777.20	58680.83	65584.45	72488.08
3D+3D	6	12	36	60	84	108	132	156	180	204	228	252
	1725.90	3451.81	10355.44	17259.06	24162.69	31066.32	37969.94	44873.57	51777.20	58680.83	65584.45	72488.08
4D+4D	8	8	32	56	80	104	128	152	176	200	224	248
	2301.20	2301.20	9204.83	16108.46	23012.09	29915.71	36819.34	43722.97	50626.59	57530.22	64433.85	71337.48
5D+5D	10	10	30	60	80	110	130	150	180	200	230	250
	2876.51	2876.51	8629.53	17259.06	23012.09	31641.62	37394.64	43147.67	51777.20	57530.22	66159.76	71912.78
6D+6D	12	12	36	60	84	108	132	156	180	204	228	252
	3451.81	3451.81	10355.44	17259.06	24162.69	31066.32	37969.94	44873.57	51777.20	58680.83	65584.45	72488.08
7D+7D	14	14	28	56	84	98	126	154	182	196	224	252
	4027.11	4027.11	8054.23	16108.46	24162.69	28189.81	36244.04	44298.27	52352.50	56379.62	64433.85	72488.08
8D+8D	0	0	32	48	80	96	128	144	176	192	224	240
	0.00	0.00	9204.83	13807.25	23012.09	27614.50	36819.34	41421.76	50626.59	55229.01	64433.85	69036.27

- \*1: D: data disk
- \*2: It indicates component unit and range when RKAKSs are connected to the RKS/RKES/RKM/RKEM
- \*3: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKS/RKES.
- \*4: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKM.
- \*5: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKEM.

## RAID 1+0 SAS disk drive capacities corresponding to (600 Gbytes) for RKAKS

Table 8-70: RAID 1+0 SAS disk drive capacities corresponding to (600 Gbytes) for RKAKS

Disk capacity		575.30 G bytes									
Component unit	RKAKS										
Range	1 (*2)		2	3	4	5	6	7	8	9	10
Total range of Disk drives	Min.	24 (Max)	48	72	96	120	144	168	192	216	240
2D+2D (*1)	4	24	48	72	96	120	144	168	192	216	240
	1150.60	6903.62	13807.25	20710.88	27614.50	34518.13	41421.76	48325.39	55229.01	62132.64	69036.27
3D+3D	6	24	48	72	96	120	144	168	192	216	240
	1725.90	6903.62	13807.25	20710.88	27614.50	34518.13	41421.76	48325.39	55229.01	62132.64	69036.27
4D+4D	8	24	48	72	96	120	144	168	192	216	240
	2301.20	6903.62	13807.25	20710.88	27614.50	34518.13	41421.76	48325.39	55229.01	62132.64	69036.27
5D+5D	10	20	40	70	90	120	140	160	190	210	240
	2876.51	5753.02	11506.04	20135.57	25888.60	34518.13	40271.15	46024.18	54653.71	60406.73	69036.27
6D+6D	12	24	48	72	96	120	144	168	192	216	240
	3451.81	6903.62	13807.25	20710.88	27614.50	34518.13	41421.76	48325.39	55229.01	62132.64	69036.27
7D+7D	14	14	42	70	84	112	140	168	182	210	238
	4027.11	4027.11	12081.34	20135.57	24162.69	32216.92	40271.15	48325.39	52352.50	60406.73	68460.97
8D+8D	0	16	48	64	96	112	144	160	192	208	240
	0.00	4602.41	13807.25	18409.67	27614.50	32216.92	41421.76	46024.18	55229.01	59831.43	69036.27

Disk capacity	575.30 G bytes									
Component unit	RKAKS									
Range	11(*2)	12	13	14	15	16	17	18	19	20
Total range of Disk drives	264	288	312	336	360	384	408	432	456	480 (Max) (*3)
2D+2D (*1)	264 75939.89	288 82843.52	312 89747.15	336 96650.78	360 103554.40	384 110458.03	408 117361.66	432 124265.29	456 131168.91	480 138072.54
3D+3D	264 75939.89	288 82843.52	312 89747.15	336 96650.78	360 103554.40	384 110458.03	408 117361.66	432 124265.29	456 131168.91	480 138072.54
4D+4D	264 75939.89	288 82843.52	312 89747.15	336 96650.78	360 103554.40	384 110458.03	408 117361.66	432 124265.29	456 131168.91	480 138072.54
5D+5D	260 74789.29	280 80542.31	310 89171.85	330 94924.87	360 103554.40	380 109307.43	400 115060.45	430 123689.98	450 129443.01	480 138072.54
6D+6D	264 75939.89	288 82843.52	312 89747.15	336 96650.78	360 103554.40	384 110458.03	408 117361.66	432 124265.29	456 131168.91	480 138072.54
7D+7D	252 72488.08	280 80542.31	308 88596.54	336 96650.78	350 100677.89	378 108732.12	406 116786.36	420 120813.47	448 128867.70	476 136921.94
8D+8D	256 73638.69	288 82843.52	304 87445.94	336 96650.78	352 101253.19	384 110458.03	400 115060.45	432 124265.29	448 128867.70	480 138072.54

\*1. D: data disk  
\*2: It indicates RKAKSs range. The basic chassis is not included.  
\*3: It indicates the total range of disk drives in the maximum configuration when RKAKSs are connected to the RKH/RKHE/RKEH.

**Table 8-71: RAID 1+0 SAS/SAS(SED) Disk Drive Capacities (600 GB) 1 of 2**

Drive capacity	575.30 GB															
Unit	RKS/RKES/RKM/RKEM	RKAK														
Range	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Unit	RKAK/RKAKD (Note2)															
Range	1 (Note2)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Total Range	Min.	15 (max)	30	45	60	75	90	105	120 (max) (Note3)	135	150	165	180	195	210	225
2D+2D (Note 1)	4	12	28	44	60	72	88	104	120	132	148	164	180	192	208	224
	1150.60	3451.81	8054.23	12656.64	17259.06	20710.88	25313.29	29915.71	34518.13	37969.94	42572.36	47174.78	51777.20	55229.01	59831.43	64433.85
3D+3D	6	12	30	42	60	72	90	102	120	132	150	162	180	192	210	222
	1725.90	3451.81	8629.53	12081.34	17259.06	20710.88	25888.60	29340.41	34518.13	37969.94	43147.67	46599.48	51777.20	55229.01	60406.73	63858.55
4D+4D	8	8	24	40	56	72	88	104	120	128	144	160	176	192	208	224
	2301.20	2301.20	6903.62	11506.04	16108.46	20710.88	25313.29	29915.71	34518.13	36819.34	41421.76	46024.18	50626.59	55229.01	59831.43	64433.85
5D+5D	10	10	30	40	60	70	90	100	120	130	150	160	180	190	210	220
	2876.51	2876.51	8629.53	11506.04	17259.06	20135.57	25888.60	28765.11	34518.13	37394.64	43147.67	46024.18	51777.20	54653.71	60406.73	63283.24
6D+6D	12	12	24	36	60	72	84	96	120	132	144	156	180	192	204	216
	3451.81	3451.81	6903.62	10355.44	17259.06	20710.88	24162.69	27614.50	34518.13	37969.94	41421.76	44873.57	51777.20	55229.01	58680.83	62132.64
7D+7D	14	14	28	42	56	70	84	98	112	126	140	154	168	182	210	224
	4027.11	4027.11	8054.23	12081.34	16108.46	20135.57	24162.69	28189.81	32216.92	36244.04	40271.15	44298.27	48325.39	52352.50	60406.73	64433.85
8D+8D	0	0	16	32	48	64	80	96	112	128	144	160	176	192	208	224
	0.00	0.00	4602.41	9204.83	13807.25	18409.67	23012.09	27614.50	32216.92	36819.34	41421.76	46024.18	50626.59	55229.01	59831.43	64433.85

**Table 8-72: RAID 1+0 SAS/SAS(SED) Disk Drive Capacities (600 GB) 2 of 2**

Drive capacity	575.30 GB																
Unit	RKAK																
Range	15																
Unit	RKAK/RKAKD (Note2)																
Range	16 (Note2)	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range	240 (max) (Note4)	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (max) (Note5)
2D+2D (Note 1)	240	252	268	284	300	312	328	344	360	372	388	404	420	432	448	464	480
	69036.27	72488.08	77090.50	81692.92	86295.34	89747.15	94349.57	98951.99	103554.40	107006.22	111608.64	116211.05	120813.47	124265.29	128867.70	133470.12	138072.54
3D+3D	240	252	270	282	300	312	330	342	360	372	390	402	420	432	450	462	480
	69036.27	72488.08	77665.80	81117.62	86295.34	89747.15	94924.87	98376.68	103554.40	107006.22	112183.94	115635.75	120813.47	124265.29	129443.01	132894.82	138072.54
4D+4D	240	248	264	280	296	312	328	344	360	368	384	400	416	432	448	464	480
	69036.27	71337.48	75939.89	80542.31	85144.73	89747.15	94349.57	98951.99	103554.40	105855.61	110458.03	115060.45	119662.87	124265.29	128867.70	133470.12	138072.54
5D+5D	240	250	270	280	300	310	330	340	360	370	390	400	420	430	450	460	480
	69036.27	71912.78	77665.80	80542.31	86295.34	89171.85	94924.87	97801.38	103554.40	106430.92	112183.94	115060.45	120813.47	123689.98	129443.01	132319.52	138072.54
6D+6D	240	252	264	276	300	312	324	336	360	372	384	396	420	432	444	456	480
	69036.27	72488.08	75939.89	79391.71	86295.34	89747.15	93198.96	96650.78	103554.40	107006.22	110458.03	113909.84	120813.47	124265.29	127717.10	131168.91	138072.54
7D+7D	238	252	266	280	294	308	322	336	350	364	378	392	420	434	448	462	476
	68460.97	72488.08	76515.20	80542.31	84569.43	88596.54	92623.66	96650.78	100677.89	104705.01	108732.12	112759.24	120813.47	124840.59	128867.70	132894.82	136921.94
8D+8D	240	240	256	272	288	304	320	336	352	368	384	400	416	432	448	464	480
	69036.27	69036.27	73638.69	78241.10	82843.52	87445.94	92048.36	96650.78	101253.19	105855.61	110458.03	115060.45	119662.87	124265.29	128867.70	133470.12	138072.54

**Note 1:** D: data disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKS/RKES.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKM/RKEM.

**Note 5:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

# RAID capacities - when connecting RKS/RKM/RKH/RKHE to RKAK or RKHED to RKAKD

## RAID 1 SATA disk drive capacities (1,000 GB)

Table 8-73: RAID 1 SATA Disk Drive Capacities (1,000 GB)

Disk capacity	983.69 GB																
Unit	RKS/RKES/ RKM/RKEM	RKAK145															
Range	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14		
Unit	RKAK Note2																
Range	1 Note2	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
Total Range	Min.	15 (Max)	30	45	60	75	90	105	120 (Max) Note3	135	150	165	180	195z	210	225	
1D+1D Note1	2	14	30	44	60	74	90	104	120	134	150	164	180	194	210	224	
	983.69	6885.88	14755.47	21641.36	29510.95	36396.84	44266.43	51152.32	59021.91	65907.79	73777.38	80663.27	88532.86	95418.75	103288.34	110174.23	
Disk capacity	983.69 GB																
Unit	RKAK																
Range	15																
Unit	RKAK/ RKAKD Note2																
Range	16 Note2	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range	240 (Max) Note4	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (Max) Note5
1D+1D Note1	240	254	270	284	300	314	330	344	360	374	390	404	420	434	450	464	480
	118043.8	124929.7	132799.29	139685.18	147554.77	154440.66	162310.25	169196.14	177065.73	183951.62	191821.20	198707.09	206576.68	213462.57	221332.16	228218.05	236087.64

**Note 1:** D: data disk.

**Note 2:** Indicates unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKS/RKES.

**Note 4:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKM/RKEM.

**Note 5:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

# RAID 5 SATA disk drive capacities (1,000 GB)

**Table 8-74: RAID 5 SATA Disk Drive Capacities (1,000 GB) 1 of 2**

Disk capacity	983.69 GB															
Unit	RKS/RKES/ RKM/RKEM	RKAK														
Range	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Unit	RKAK/RKAKD Note2															
Range	1 Note2		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Total Range	Min.	15 (Max)	30	45	60	75	90	105	120 (Max) Note3	135	150	165	180	195	210	225
2D+1P	3	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
Note1	1967.39	9836.98	19673.97	29510.95	39347.94	49184.92	59021.91	68858.89	78695.88	88532.86	98369.85	108206.83	118043.82	127880.80	137717.79	147554.77
3D+1P	4	12	28	44	60	72	88	104	120	132	148	164	180	192	208	224
	2951.09	8853.28	20657.66	32462.05	44266.43	53119.71	64924.10	76728.48	88532.86	97386.15	109190.53	120994.91	132799.29	141652.58	153456.96	165261.34
4D+1P	5	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
	3934.79	11804.38	23608.76	35413.14	47217.52	59021.91	70826.29	82630.67	94435.05	106239.43	118043.82	129848.20	141652.58	153456.96	165261.34	177065.73
5D+1P	6	12	30	42	60	72	90	102	120	132	150	162	180	192	210	222
	4918.49	9836.98	24592.46	34429.44	49184.92	59021.91	73777.38	83614.37	98369.85	108206.83	122962.31	132799.29	147554.77	157391.76	172147.23	181984.22
6D+1P	7	14	28	42	56	70	84	105	119	133	147	161	175	189	210	224
	5902.19	11804.38	23608.76	35413.14	47217.52	59021.91	70826.29	88532.86	100337.24	112141.62	123946.01	135750.39	147554.77	159359.15	177065.73	188870.11
7D+1P	8	8	24	40	56	72	88	104	120	128	144	160	176	192	208	224
	6885.88	6885.88	20657.66	34429.44	48201.22	61973.00	75744.78	89516.56	103288.34	110174.23	123946.01	137717.79	151489.56	165261.34	179033.12	192804.90
8D+1P	9	9	27	45	54	72	90	99	117	135	144	162	180	189	207	225
	7869.58	7869.58	23608.76	39347.94	47217.52	62956.70	78695.88	86565.46	102304.64	118043.82	125913.40	141652.58	157391.76	165261.34	181000.52	196739.70
9D+1P	10	10	30	40	60	70	90	100	120	130	150	160	180	190	210	220
	8853.28	8853.28	26559.85	35413.14	53119.71	61973.00	79679.57	88532.86	106239.43	115092.72	132799.29	141652.58	159359.15	168212.44	185919.01	194772.30
10D+1P	11	11	22	44	55	66	88	99	110	132	143	165	176	187	209	220
	9836.98	9836.98	19673.97	39347.94	49184.92	59021.91	78695.88	88532.86	98369.85	118043.82	127880.80	147554.77	157391.76	167228.74	186902.71	196739.70
11D+1P	12	12	24	36	60	72	84	96	120	132	144	156	180	192	204	216
	10820.68	10820.68	21641.36	32462.05	54103.41	64924.10	75744.78	86565.46	108206.83	119027.51	129848.20	140668.88	162310.25	173130.93	183951.62	194772.30
12D+1P	13	13	26	39	52	65	78	104	117	130	143	156	169	195	208	221
	11804.38	11804.38	23608.76	35413.14	47217.52	59021.91	70826.29	94435.05	106239.43	118043.82	129848.20	141652.58	153456.96	177065.73	188870.11	200674.49
13D+1P	14	14	28	42	56	70	84	98	112	126	140	154	168	182	210	224
	12788.08	12788.08	25576.16	38364.24	51152.32	63940.40	76728.48	89516.56	102304.64	115092.72	127880.80	140668.88	153456.96	166245.04	191821.20	204609.28
14D+1P	15	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
	13771.77	13771.77	27543.55	41315.33	55087.11	68858.89	82630.67	96402.45	110174.23	123946.01	137717.79	151489.56	165261.34	179033.12	192804.90	206576.68
15D+1P	0	0	16	32	48	64	80	96	112	128	144	160	176	192	208	224
	0.00	0.00	14755.47	29510.95	44266.43	59021.91	73777.38	88532.86	103288.34	118043.82	132799.29	147554.77	162310.25	177065.73	191821.20	206576.68

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKS/RKES.

# RAID 5 SATA disk drive capacities (1,000 GB) (continued)

**Table 8-75: RAID 5 SATA Disk Drive Capacities (1,000 GB) 2 of 2**

Disk capacity	983.69 GB																
Unit	RKAK																
Range	15																
Unit	RKAK/ RKAKD Note2																
Range	16 Note2	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range	240 (Max) Note3	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (Max) Note4
2D+1P	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480
Note1	157391.76	167228.74	177065.73	186902.71	196739.70	206576.68	216413.67	226250.65	236087.64	245924.62	255761.61	265598.59	275435.58	285272.56	295109.55	304946.53	314783.52
3D+1P	240	252	268	284	300	312	328	344	360	372	388	404	420	432	448	464	480
	177065.73	185919.01	197723.39	209527.78	221332.16	230185.45	241989.83	253794.21	265598.59	274451.88	286256.26	298060.64	309865.02	318718.31	330522.69	342327.07	354131.46
4D+1P	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480
	188870.11	200674.49	212478.87	224283.25	236087.64	247892.02	259696.40	271500.78	283305.16	295109.55	306913.93	318718.31	330522.69	342327.07	354131.46	365935.84	377740.22
5D+1P	240	252	270	282	300	312	330	342	360	372	390	402	420	432	450	462	480
	196739.70	206576.68	221332.16	231169.14	245924.62	255761.61	270517.08	280354.07	295109.55	304946.53	319702.01	329538.99	344294.47	354131.46	368886.93	378723.92	393479.40
6D+1P	238	252	266	280	294	315	329	343	357	371	385	399	420	434	448	462	476
	200674.49	212478.87	224283.25	236087.64	247892.02	265598.59	277402.97	289207.36	301011.74	312816.12	324620.50	336424.88	354131.46	365935.84	377740.22	389544.60	401348.99
7D+1P	240	248	264	280	296	312	328	344	360	368	384	400	416	432	448	464	480
	206576.68	213462.57	227234.35	241006.13	254777.91	268549.69	282321.47	296093.25	309865.02	316750.91	330522.69	344294.47	358066.25	371838.03	385609.81	399381.59	413153.37
8D+1P	234	252	270	279	297	315	324	342	360	369	387	405	414	432	450	459	477
	204609.28	220348.46	236087.64	243957.22	259696.40	275435.58	283305.16	299044.34	314783.52	322653.10	338392.28	354131.46	362001.05	377740.22	393479.40	401348.99	417088.16
9D+1P	240	250	270	280	300	310	330	340	360	370	390	400	420	430	450	460	480
	212478.87	221332.16	239038.73	247892.02	265598.59	274451.88	292158.45	301011.74	318718.31	327571.60	345278.17	354131.46	371838.03	380691.32	398397.89	407251.18	424957.75
10D+1P	231	253	264	275	297	308	330	341	352	374	385	396	418	429	440	462	473
	206576.68	226250.65	236087.64	245924.62	265598.59	275435.58	295109.55	304946.53	314783.52	334457.49	344294.47	354131.46	373805.43	383642.41	393479.40	413153.37	422990.35
11D+1P	240	252	264	276	300	312	324	336	360	372	384	396	420	432	444	456	480
	216413.67	227234.35	238055.03	248875.72	270517.08	281337.77	292158.45	302979.13	324620.50	335441.19	346261.87	357082.55	378723.92	389544.60	400365.29	411185.97	432827.34
12D+1P	234	247	260	273	299	312	325	338	351	364	390	403	416	429	442	455	468
	212478.87	224283.25	236087.64	247892.02	271500.78	283305.16	295109.55	306913.93	318718.31	330522.69	354131.46	365935.84	377740.22	389544.60	401348.99	413153.37	424957.75
13D+1P	238	252	266	280	294	308	322	336	350	364	378	392	420	434	448	462	476
	217397.36	230185.45	242973.53	255761.61	268549.69	281337.77	294125.85	306913.93	319702.01	332490.09	345278.17	358066.25	383642.41	396430.49	409218.57	422006.65	434794.73
14D+1P	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480
	220348.46	234120.24	247892.02	261663.80	275435.58	289207.36	302979.13	316750.91	330522.69	344294.47	358066.25	371838.03	385609.81	399381.59	413153.37	426925.15	440696.93
15D+1P	240	240	256	272	288	304	320	336	352	368	384	400	416	432	448	464	480
	221332.16	221332.16	236087.64	250843.11	265598.59	280354.07	295109.55	309865.02	324620.50	339375.98	354131.46	368886.93	383642.41	398397.89	413153.37	427908.84	442664.32

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKM/RKEM.

**Note 4:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

# RAID 6 SATA disk drive capacities (1,000 GB)

**Table 8-76: RAID 6 SATA Disk Drive Capacities (1,000 GB)**

Disk capacity	983.69 GB															
	Unit	RKS/RKES/RKM/RKEM	RKAK													
Range	1		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Unit	RKAK/RKAKD Note2															
Range	1 Note2		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Total Range	Min.	15 (Max)	30	45	60	75	90	105	120 (Max) Note3	135	150	165	180	195	210	225
2D+2P Note1	4 1967.39	12 5902.19	28 13771.77	44 21641.36	60 29510.95	72 35413.14	88 43282.73	104 51152.32	120 59021.91	132 64924.10	148 72793.68	164 80663.27	180 88532.86	192 94435.05	208 102304.64	224 110174.23
3D+2P	5 2951.09	15 8853.28	30 17706.57	45 26559.85	60 35413.14	75 44266.43	90 53119.71	105 61973.00	120 70826.29	135 79679.57	150 88532.86	165 97386.15	180 106239.43	195 115092.72	210 123946.01	225 132799.29
4D+2P	6 3934.79	12 7869.58	30 19673.97	42 27543.55	60 39347.94	72 47217.52	90 59021.91	102 66891.49	120 78695.88	132 86565.46	150 98369.85	162 106239.43	180 118043.82	192 125913.40	210 137717.79	222 145587.37
5D+2P	7 4918.49	14 9836.98	28 19673.97	42 29510.95	56 39347.94	70 49184.92	84 59021.91	105 73777.38	119 83614.37	133 93451.35	147 103288.34	161 113125.32	175 122962.31	189 132799.29	210 147554.77	224 157391.76
6D+2P	8 5902.19	8 5902.19	24 17706.57	40 29510.95	56 41315.33	72 53119.71	88 64924.10	104 76728.48	120 88532.86	128 94435.05	144 106239.43	160 118043.82	176 129848.20	192 141652.58	208 153456.96	224 165261.34
7D+2P	9 6885.88	9 6885.88	27 20657.66	45 34429.44	54 41315.33	72 55087.11	90 68858.89	99 75744.78	117 89516.56	135 103288.34	144 110174.23	162 123946.01	180 137717.79	189 144603.68	207 158375.45	225 172147.23
8D+2P	10 7869.58	10 7869.58	30 23608.76	40 31478.35	60 47217.52	70 55087.11	90 70826.29	100 78695.88	120 94435.05	130 102304.64	150 118043.82	160 125913.40	180 141652.58	190 149522.17	210 165261.34	220 173130.93
9D+2P	11 8853.28	11 8853.28	22 17706.57	44 35413.14	55 44266.43	66 53119.71	88 70826.29	99 79679.57	110 88532.86	132 106239.43	143 115092.72	165 132799.29	176 141652.58	187 150505.87	209 168212.44	220 177065.73
10D+2P	12 9836.98	12 9836.98	24 19673.97	36 29510.95	60 49184.92	72 59021.91	84 68858.89	96 78695.88	120 98369.85	132 108206.83	144 118043.82	156 127880.80	180 147554.77	192 157391.76	204 167228.74	216 177065.73
11D+2P	13 10820.68	13 10820.68	26 21641.36	39 32462.05	52 43282.73	65 54103.41	78 64924.10	104 86565.46	117 97386.15	130 108206.83	143 119027.51	156 129848.20	169 140668.88	195 162310.25	208 173130.93	221 183951.62
12D+2P	14 11804.38	14 11804.38	28 23608.76	42 35413.14	56 47217.52	70 59021.91	84 70826.29	98 82630.67	112 94435.05	126 106239.43	140 118043.82	154 129848.20	168 141652.58	182 153456.96	210 177065.73	224 188870.11
13D+2P	15 12788.08	15 12788.08	30 25576.16	45 38364.24	60 51152.32	75 63940.40	90 76728.48	105 89516.56	120 102304.64	135 115092.72	150 127880.80	165 140668.88	180 153456.96	195 166245.04	210 179033.12	225 191821.20
14D+2P	0 0.00	0 0.00	16 13771.77	32 27543.55	48 41315.33	64 55087.11	80 68858.89	96 82630.67	112 96402.45	128 110174.23	144 123946.01	160 137717.79	176 151489.56	192 165261.34	208 179033.12	224 192804.90
15D+2P	0 0.00	0 0.00	17 14755.47	34 29510.95	51 44266.43	68 59021.91	85 73777.38	102 88532.86	119 103288.34	136 118043.82	153 132799.29	170 147554.77	187 162310.25	204 177065.73	221 191821.20	
16D+2P	0 0.00	0 0.00	18 15739.17	36 31478.35	54 47217.52	72 62956.70	90 78695.88	108 8695.88	126 94435.05	144 110174.23	162 125913.40	180 141652.58	198 157391.76	216 173130.93	234 188870.11	
17D+2P	0 0.00	0 0.00	19 16722.87	38 33445.74	57 50168.62	75 60168.62	93 66891.49	111 83614.37	129 100337.24	147 117060.12	165 133782.99	183 150505.87	201 167228.74	219 183951.62	237 183951.62	
18D+2P	0 0.00	0 0.00	20 17706.57	40 35413.14	60 53119.71	80 63119.71	100 70826.29	120 88532.86	140 106239.43	160 123946.01	180 141652.58	200 159359.15	220 177065.73	240 194772.30		
19D+2P	0 0.00	0 0.00	21 18690.27	42 37380.54	63 56707.81	84 74761.08	105 93451.35	126 112141.62	147 130831.90	168 149522.17	189 168212.44	210 186902.71	231 205702.71	252 26902.71		
20D+2P	0 0.00	0 0.00	22 19673.97	44 39347.94	66 59021.91	88 78695.88	110 98369.85	132 118043.82	154 147554.77	176 173130.93	198 192804.90	220 217065.73	242 236739.70			
21D+2P	0 0.00	0 0.00	23 20657.66	46 20657.66	69 41315.33	92 61973.00	115 61973.00	138 82630.67	161 103288.34	184 123946.01	207 144603.68	230 144603.68	254 165261.34	278 185919.01	302 185919.01	
22D+2P	0 0.00	0 0.00	24 21641.36	48 21641.36	72 43282.73	96 64924.10	120 64924.10	144 86565.46	168 108206.83	192 108206.83	216 129848.20	240 129848.20	264 151489.56	288 173130.93	312 173130.93	336 194772.30
23D+2P	0 0.00	0 0.00	25 22625.06	50 22625.06	75 45250.13	100 67875.19	125 67875.19	150 90500.26	175 90500.26	200 113125.32	225 135750.39	250 135750.39	275 158375.45	300 158375.45	325 181000.52	350 203625.59

**Table 8-76: RAID 6 SATA Disk Drive Capacities (1,000 GB) (Continued)**

Disk capacity	983.69 GB															
24D+2P	0 0.00	0 0.00	26 23608.76	26 23608.76	52 47217.52	52 47217.52	78 70826.29	104 94435.05	104 94435.05	130 118043.82	130 118043.82	156 141652.58	156 141652.58	182 165261.34	208 188870.11	208 188870.11
25D+2P	0 0.00	0 0.00	27 24592.46	27 24592.46	54 49184.92	54 49184.92	81 73777.38	81 73777.38	108 98369.85	135 122962.31	135 122962.31	162 147554.77	162 147554.77	189 172147.23	189 172147.23	216 196739.70
26D+2P	0 0.00	0 0.00	28 25576.16	28 25576.16	56 51152.32	56 51152.32	84 76728.48	84 76728.48	112 102304.64	112 102304.64	140 127880.80	140 127880.80	168 153456.96	168 153456.96	196 179033.12	224 204609.28
27D+2P	0 0.00	0 0.00	29 26559.85	29 26559.85	58 53119.71	58 53119.71	87 79679.57	87 79679.57	116 106239.43	116 106239.43	145 132799.29	145 132799.29	174 159359.15	174 159359.15	203 185919.01	203 185919.01
28D+2P	0 0.00	0 0.00	30 27543.55	30 27543.55	60 55087.11	60 55087.11	90 82630.67	90 82630.67	120 110174.23	120 110174.23	150 137717.79	150 137717.79	180 165261.34	180 165261.34	210 192804.90	210 192804.90

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKS/RKES.

**RAID 6 SATA disk drive capacities (1,000 GB) (continued)**

**Table 8-77: RAID 6 SATA Disk Drive Capacities (1,000 GB)**

Disk capacity	983.69 GB																
Unit	RKAK																
Range	15																
Unit	RKAK/ RKAKD Note2																
Range	16 Note2	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range	240 (Max) Note3	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (Max) Note4
2D+2P Note1	240 118043.82	252 123946.01	268 131815.59	284 139685.18	300 147554.77	312 153456.96	328 161326.55	344 169196.14	360 177065.73	372 182967.92	388 190837.51	404 198707.09	420 206576.68	432 212478.87	448 220348.46	464 228218.05	480 236087.64
3D+2P	240 141652.58	255 150505.87	270 159359.15	285 168212.44	300 177065.73	315 185919.01	330 194772.30	345 203625.59	360 212478.87	375 221332.16	390 230185.45	405 239038.73	420 247892.02	435 256745.30	450 265598.59	465 274451.88	480 283305.16
4D+2P	240 157391.76	252 165261.34	270 177065.73	282 184935.31	300 196739.70	312 204609.28	330 216413.67	342 224283.25	360 236087.64	372 243957.22	390 255761.61	402 263631.19	420 275435.58	432 283305.16	450 295109.55	462 302979.13	480 314783.52
5D+2P	238 167228.74	252 177065.73	266 186902.71	280 196739.70	294 206576.68	315 212332.16	329 231169.14	343 241006.13	357 250843.11	371 260680.10	385 270517.08	399 280354.07	420 295109.55	434 304946.53	448 314783.52	462 324620.50	476 334457.49
6D+2P	240 177065.73	248 182967.92	264 194772.30	280 206576.68	296 218381.06	312 230185.45	328 241989.83	344 253794.21	360 265598.59	368 271500.78	384 283305.16	400 295109.55	416 306913.93	432 318718.31	448 330522.69	464 342327.07	480 354131.46
7D+2P	234 179033.12	252 192804.90	270 206576.68	279 213462.57	297 227234.35	315 241006.13	324 247892.02	342 261663.80	360 275435.58	369 282321.47	387 296093.25	405 309865.02	414 316750.91	432 330522.69	450 344294.47	459 351180.36	477 364952.14
8D+2P	240 188870.11	250 196739.70	270 212478.87	280 220348.46	300 236087.64	310 243957.22	330 259696.40	340 267565.99	360 283305.16	370 291174.75	390 306913.93	400 314783.52	420 330522.69	430 338392.28	450 354131.46	460 362001.05	480 377740.22
9D+2P	231 185919.01	253 203625.59	264 212478.87	275 221332.16	297 239038.73	308 247892.02	330 265598.59	341 274451.88	352 283305.16	374 301011.74	385 309865.02	396 318718.31	418 336424.88	429 345278.17	440 354131.46	462 371838.03	473 380691.32
10D+2P	240 196739.70	252 206576.68	264 216413.67	276 226250.65	300 245924.62	312 255761.61	324 265598.59	336 275435.58	360 295109.55	372 304946.53	384 314783.52	396 324620.50	420 344294.47	432 354131.46	444 363968.44	456 373805.43	480 393479.40
11D+2P	234 194772.30	247 205592.98	260 216413.67	273 227234.35	299 248875.72	312 259696.40	325 270517.08	338 281337.77	351 292158.45	364 302979.13	390 324620.50	403 335441.19	416 346261.87	429 357082.55	442 376903.24	455 378723.92	468 389544.60
12D+2P	238 200674.49	252 212478.87	266 224283.25	280 236087.64	294 247892.02	308 259696.40	322 271500.78	336 283305.16	350 295109.55	364 306913.93	378 318718.31	392 330522.69	420 354131.46	434 365935.84	448 377740.22	462 389544.60	476 401348.99
13D+2P	240 204609.28	255 217397.36	270 230185.45	285 242973.53	300 255761.61	315 268549.69	330 281337.77	345 294125.85	360 306913.93	375 319702.01	390 332490.09	405 345278.17	420 358066.25	435 370854.33	450 383642.41	465 396430.49	480 409218.57

**Table 8-77: RAID 6 SATA Disk Drive Capacities (1,000 GB) (Continued)**

Disk capacity	983.69 GB																
14D+2P	240	240	256	272	288	304	320	336	352	368	384	400	416	432	448	464	480
	206576.68	206576.68	220348.46	234120.24	247892.02	261663.80	275435.58	289207.36	302979.13	316750.91	330522.69	344294.47	358066.25	371838.03	385609.81	399381.59	413153.37
15D+2P	238	255	255	272	289	306	323	340	357	374	374	391	408	425	442	459	476
	206576.68	221332.16	221332.16	236087.64	250843.11	265598.59	280354.07	295109.55	309865.02	324620.50	324620.50	339375.98	354131.46	368886.93	383642.41	398397.89	413153.37
16D+2P	234	252	270	270	288	306	324	342	360	360	378	396	414	432	450	450	468
	204609.28	220348.46	236087.64	236087.64	251826.81	267565.99	283305.16	299044.34	314783.52	314783.52	330522.69	346261.87	362001.05	377740.22	393479.40	393479.40	409218.57
17D+2P	228	247	266	285	285	304	323	342	342	361	380	399	418	418	437	456	475
	200674.49	217397.36	234120.24	250843.11	250843.11	267565.99	284288.86	301011.74	301011.74	317734.61	334457.49	351180.36	367903.24	367903.24	384626.11	401348.99	418071.86
18D+2P	240	240	260	280	300	300	320	340	360	360	380	400	420	420	440	460	480
	212478.87	212478.87	230185.45	247892.02	265598.59	265598.59	283305.16	301011.74	318718.31	318718.31	336424.88	354131.46	371838.03	371838.03	389544.60	407251.18	424957.75
19D+2P	231	252	252	273	294	315	315	336	357	357	378	399	420	420	441	462	462
	205592.98	224283.25	224283.25	242973.53	261663.80	280354.07	280354.07	299044.34	317734.61	317734.61	336424.88	355115.16	373805.43	373805.43	392495.70	411185.97	411185.97
20D+2P	220	242	264	264	286	308	330	330	352	374	374	396	418	418	440	462	462
	196739.70	216413.67	236087.64	236087.64	255761.61	275435.58	295109.55	295109.55	314783.52	334457.49	334457.49	354131.46	373805.43	373805.43	393479.40	413153.37	413153.37
21D+2P	230	253	253	276	299	299	322	345	345	368	368	391	414	414	437	460	460
	206576.68	227234.35	227234.35	247892.02	268549.69	268549.69	289207.36	309865.02	309865.02	330522.69	330522.69	351180.36	371838.03	371838.03	392495.70	413153.37	413153.37
22D+2P	240	240	264	264	288	312	312	336	360	360	384	384	408	432	432	456	480
	216413.67	216413.67	238055.03	238055.03	259696.40	281337.77	281337.77	302979.13	324620.50	324620.50	346261.87	346261.87	367903.24	389544.60	389544.60	411185.97	432827.34
23D+2P	225	250	250	275	300	300	325	325	350	375	375	400	400	425	450	450	475
	203625.59	226250.65	226250.65	248875.72	271500.78	271500.78	294125.85	294125.85	316750.91	339375.98	339375.98	362001.05	362001.05	384626.11	407251.18	407251.18	429876.24
24D+2P	234	234	260	260	286	312	312	338	338	364	390	390	416	416	442	442	468
	212478.87	212478.87	236087.64	236087.64	259696.40	283305.16	283305.16	306913.93	306913.93	330522.69	354131.46	354131.46	377740.22	377740.22	401348.99	401348.99	424957.75
25D+2P	216	243	270	270	297	297	324	324	351	351	378	405	405	432	432	459	459
	196739.70	221332.16	245924.62	245924.62	270517.08	270517.08	295109.55	295109.55	319702.01	319702.01	344294.47	368886.93	368886.93	393479.40	393479.40	418071.86	418071.86
26D+2P	224	252	252	280	280	308	308	336	336	364	364	392	420	420	448	448	476
	204609.28	230185.45	230185.45	255761.61	255761.61	281337.77	281337.77	306913.93	306913.93	332490.09	332490.09	358066.25	383642.41	383642.41	409218.57	409218.57	434794.73
27D+2P	232	232	261	261	290	290	319	319	348	348	377	377	406	435	435	464	464
	212478.87	212478.87	239038.73	239038.73	265598.59	265598.59	292158.45	292158.45	318718.31	318718.31	345278.17	345278.17	371838.03	398397.89	398397.89	424957.75	424957.75
28D+2P	240	240	270	270	300	300	330	330	360	360	390	390	420	420	450	450	480
	220348.46	220348.46	247892.02	247892.02	275435.58	275435.58	302979.13	302979.13	330522.69	330522.69	358066.25	358066.25	385609.81	385609.81	413153.37	413153.37	440696.93

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKM/RKEM.

**Note 4:** Indicates the total range in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

## RAID 1+0 SATA disk drive capacities (1,000 GB)

**Table 8-78: RAID 1+0 SATA Disk Drive Capacities (1,000 GB)**

Disk capacity	983.69 GB																
Unit	RKS/RKES/RKM/RKEM		RKAK														
Range	1		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Unit	RKAK/RKAKD <sup>1</sup>																
Range	1 <sup>1</sup>		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Total range	Min.	15 (Max)	30	45	60	75	90	105	120 (Max) <sup>2</sup>	135	150	165	180	195	210	225	240
2D+2D <sup>3</sup>	4	12	28	44	60	72	88	104	120	132	148	164	180	192	208	224	240
Note3	1967.39	5902.19	13771.77	21641.36	29510.95	35413.14	43282.73	51152.32	59021.91	64924.10	72793.68	80663.27	88532.86	94435.05	102304.64	110174.23	118043.82
3D+3D	6	12	30	42	60	72	90	102	120	132	150	162	180	192	210	222	240
	2951.09	5902.19	14755.47	20657.66	29510.95	35413.14	44266.43	50168.62	59021.91	64924.10	73777.38	79679.57	88532.86	94435.05	103288.34	109190.53	115092.72
4D+4D	8	8	24	40	56	72	88	104	120	128	144	160	176	192	208	224	240
	3934.79	3934.79	11804.38	19673.97	27543.55	35413.14	43282.73	51152.32	59021.91	62956.70	70826.29	78695.88	86565.46	94435.05	102304.64	110174.23	118043.82

**Table 8-78: RAID 1+0 SATA Disk Drive Capacities (1,000 GB) (Continued)**

Disk capacity	983.69 GB																
Unit	RKS/RKES/ RKM/RKEM		RKAK														
5D+5D	10 4918.49	10 4918.49	30 14755.47	40 19673.97	60 29510.95	70 34429.44	90 44266.43	100 49184.92	120 59021.91	130 63940.40	150 73777.38	160 78695.88	180 88532.86	190 93451.35	210 103288.34	220 108206.83	
6D+6D	12 5902.19	12 5902.19	24 11804.38	36 17706.57	60 29510.95	72 35413.14	84 41315.33	96 47217.52	120 59021.91	132 64924.10	144 70826.29	156 76728.48	180 88532.86	192 94435.05	204 100337.24	216 106239.43	
7D+7D	14 6885.88	14 6885.88	28 13771.77	42 20657.66	56 27543.55	70 34429.44	84 41315.33	98 48201.22	112 55087.11	126 61973.00	140 68858.89	154 75744.78	168 82630.67	182 89516.56	210 103288.34	224 110174.23	
8D+8D	0 0.00	0 0.00	16 7869.58	32 15739.17	48 23608.76	64 31478.35	80 39347.94	96 47217.52	112 55087.11	128 62956.70	144 70826.29	160 78695.88	176 86565.46	192 94435.05	208 102304.64	224 110174.23	
Disk capacity	983.69 GB																
Unit	RKAK																
Range	15																
Unit	RKAK/RKAKD Note 1																
Range	16 Note 1	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range	240 (Max) <sup>4</sup>	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (Max) <sup>5</sup>
2D+2D	240 118043.82	252 123946.01	268 131815.59	284 139685.18	300 147554.77	312 153456.96	328 161326.55	344 169196.14	360 177065.73	372 182967.92	388 190837.51	404 198707.09	420 206576.68	432 212478.87	448 220348.46	464 228218.05	480 236087.64
Note 3																	
3D+3D	240 118043.82	252 123946.01	270 132799.29	282 138701.48	300 147554.77	312 153456.96	330 162310.25	342 168212.44	360 177065.73	372 182967.92	390 191821.20	402 197723.39	420 206576.68	432 212478.87	450 221332.16	462 227234.35	480 236087.64
4D+4D	240 118043.82	248 121978.61	264 129848.20	280 137717.79	296 145587.37	312 153456.96	328 161326.55	344 169196.14	360 177065.73	368 181000.52	384 188870.11	400 196739.70	416 204609.28	432 212478.87	448 220348.46	464 228218.05	480 236087.64
5D+5D	240 118043.82	250 122962.31	270 132799.29	280 137717.79	300 147554.77	310 152473.26	330 162310.25	340 167228.74	360 177065.73	370 181984.22	390 191821.20	400 196739.70	420 206576.68	430 211495.17	450 221332.16	460 226250.65	480 236087.64
6D+6D	240 118043.82	252 123946.01	264 129848.20	276 135750.39	300 147554.77	312 153456.96	324 159359.15	336 165261.34	360 177065.73	372 182967.92	384 188870.11	396 194772.30	420 206576.68	432 212478.87	444 218381.06	456 224283.25	480 236087.64
7D+7D	238 117060.12	252 123946.01	266 130831.90	280 137717.79	294 144603.68	308 151489.56	322 158375.45	336 165261.34	350 172147.23	364 179033.12	378 185919.01	392 192804.90	420 206576.68	434 213462.57	448 220348.46	462 227234.35	476 234120.24
8D+8D	240 118043.82	240 118043.82	256 125913.40	272 133782.99	288 141652.58	304 149522.17	320 157391.76	336 165261.34	352 173130.93	368 181000.52	384 188870.11	400 196739.70	416 204609.28	432 212478.87	448 220348.46	464 228218.05	480 236087.64

1. Indicates unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.
2. Indicates the total range in the maximum configuration when RKAKs are connected to the RKS/RKES.
3. D: data disk.
4. Indicates the total range in the maximum configuration when RKAKs are connected to the RKM/RKEM.
5. Indicates the total range in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

# RAID 0 SAS7.2K disk drive capacities (2,000 GB)

Table 8-79: RAID 0 SAS7.2K Disk Drive Capacities (2,000 GB)

Disk capacity 195694 Gbytes																
Component unit	RKH/RKHE/RKMKEM	RKAK														
Range	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Component unit	RKAK/RKAKD(*2)															
Range	1 (*2)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Total range of Disk drives	Min. (Max)	30	45	60	75	90	105	120 (Max) (*3)	135	150	165	180	195	210	225	
2D	2	14	30	44	60	74	90	104	120	134	150	164	180	194	210	224
(*1)	3913.88	27397.22	58708.34	86105.57	117416.68	144813.91	176125.03	203522.25	234833.37	262230.60	293541.72	320938.94	352250.06	379647.29	410958.40	438355.63
3D	3	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
	5870.83	29354.17	58708.34	88062.51	117416.68	146770.86	176125.03	205479.20	234833.37	264187.54	293541.72	322895.89	352250.06	381604.23	410958.40	440312.58
4D	4	12	28	44	60	72	88	104	120	132	148	164	180	192	208	224
	7827.77	23483.33	54794.45	86105.57	117416.68	140900.02	172211.14	203522.25	234833.37	258316.71	289627.83	320938.94	352250.06	375733.40	407044.51	438355.63
5D	5	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
	9784.72	29354.17	58708.34	88062.51	117416.68	146770.86	176125.03	205479.20	234833.37	264187.54	293541.72	322895.89	352250.06	381604.23	410958.40	440312.58
6D	6	12	30	42	60	72	90	102	120	132	150	162	180	192	210	222
	11741.66	23483.33	58708.34	82191.68	117416.68	140900.02	176125.03	199608.37	234833.37	258316.71	293541.72	317025.05	352250.06	375733.40	410958.40	434441.74
7D	7	14	28	42	56	70	84	105	119	133	147	161	175	189	210	224
	13698.61	27397.22	54794.45	82191.68	109588.90	136986.13	164383.36	205479.20	232876.43	260273.65	287670.88	315068.11	342465.34	369862.56	410958.40	438355.63
8D	8	8	24	40	56	72	88	104	120	128	144	160	176	192	208	224
	15655.55	15655.55	46966.67	78277.79	109588.90	140900.02	172211.14	203522.25	234833.37	250488.93	281800.05	313111.16	344422.28	375733.40	407044.51	438355.63
9D	9	9	27	45	54	72	90	99	117	135	144	162	180	189	207	225
	17612.50	17612.50	52837.50	88062.51	105675.01	140900.02	176125.03	193737.53	228962.54	264187.54	281800.05	317025.05	352250.06	369862.56	405087.57	440312.58
10D	10	10	30	40	60	70	90	100	120	130	150	160	180	190	210	220
	19569.44	19569.44	58708.34	78277.79	117416.68	136986.13	176125.03	195694.48	234833.37	254402.82	293541.72	313111.16	352250.06	371819.51	410958.40	430527.85
11D	11	11	22	44	55	66	88	99	110	132	143	165	176	187	209	220
	21526.39	21526.39	43052.78	86105.57	107631.96	129658.35	172211.14	193737.53	215263.92	258316.71	279843.10	322895.89	344422.28	365948.67	409001.46	430527.85
12D	12	12	24	36	60	72	84	96	120	132	144	156	180	192	204	216
	23483.33	23483.33	46966.67	70450.01	117416.68	140900.02	164383.36	187866.70	234833.37	258316.71	281800.05	305283.38	352250.06	375733.40	399216.74	422700.07
13D	13	13	26	39	52	65	78	104	117	130	143	156	169	195	208	221
	25440.28	25440.28	50880.56	76320.84	101761.12	127201.41	152641.69	203522.25	228962.54	254402.82	279843.10	305283.38	330723.67	381604.23	407044.51	432484.80
14D	14	14	28	42	56	70	84	98	112	126	140	154	168	182	210	224
	27397.22	27397.22	54794.45	82191.68	109588.90	136986.13	164383.36	191780.59	219177.81	246575.04	273972.27	301369.50	328766.72	356163.95	410958.40	438355.63
15D	15	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
	29354.17	29354.17	58708.34	88062.51	117416.68	146770.86	176125.03	205479.20	234833.37	264187.54	293541.72	322895.89	352250.06	381604.23	410958.40	440312.58
16D	0	0	16	32	48	64	80	96	112	128	144	160	176	192	208	224
	0.00	0.00	31311.11	62622.23	93933.35	125244.46	156555.58	187866.70	219177.81	250488.93	281800.05	313111.16	344422.28	375733.40	407044.51	438355.63

Note 1: D: data disk.

Note 2: Indicates component unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

Note 3: Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKS/RKES.

# RAID 0 SAS7.2K disk drive capacities (2,000 GB) (continued)

Table 8-80: RAID 0 SAS7.2K Disk Drive Capacities (2,000 GB)

Disk capacity	1966.94G bytes																	
Component unit	RKAK																	
Range	15																	
Component unit	RKAK/ RKAKD (%)																	
Range	16 (%)	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
Total range of Disk drives	240 (Max) (%)	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (Max) (%)	
2D	240	254	270	284	300	314	330	344	360	374	390	404	420	434	450	464	480	
(%)	469666.75	497063.98	528375.09	555772.32	587083.44	614480.66	645791.78	673189.01	704500.13	731897.35	763208.47	790605.70	821916.81	849314.04	880625.16	908022.38	939333.50	
3D	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480	
	469666.75	499020.92	528375.09	557729.26	587083.44	616437.61	645791.78	675145.95	704500.13	733854.30	763208.47	792562.64	821916.81	851270.99	880625.16	909979.33	939333.50	
4D	240	252	268	284	300	312	328	344	360	372	388	404	420	432	448	464	480	
	469666.75	493150.09	524461.20	555772.32	587083.44	610566.77	641877.89	673189.01	704500.13	727983.46	759294.58	790605.70	821916.81	845400.15	876711.27	908022.38	939333.50	
5D	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480	
	469666.75	499020.92	528375.09	557729.26	587083.44	616437.61	645791.78	675145.95	704500.13	733854.30	763208.47	792562.64	821916.81	851270.99	880625.16	909979.33	939333.50	
6D	240	252	270	282	300	312	330	342	360	372	390	402	420	432	450	462	480	
	469666.75	493150.09	528375.09	551858.43	587083.44	610566.77	645791.78	669275.12	704500.13	727983.46	763208.47	786691.81	821916.81	845400.15	880625.16	904108.50	939333.50	
7D	238	252	266	280	294	315	329	343	357	371	385	399	420	434	448	462	476	
	465752.86	493150.09	520547.31	547944.54	575341.77	616437.61	643834.84	671232.06	698629.29	726026.52	753423.75	780820.97	821916.81	849314.04	876711.27	904108.50	931505.72	
8D	240	248	264	296	296	312	328	344	360	368	384	400	416	432	448	464	480	
	469666.75	485322.31	516633.42	547944.54	579255.66	610566.77	641877.89	673189.01	704500.13	720155.68	751466.80	782777.92	814089.03	845400.15	876711.27	908022.38	939333.50	
9D	234	252	270	279	297	315	324	342	360	369	387	405	414	432	450	459	477	
	457925.08	493150.09	528375.09	545987.60	581212.60	616437.61	634050.11	669275.12	704500.13	722112.63	757337.63	792562.64	810175.14	845400.15	880625.16	898237.66	933452.67	
10D	240	250	270	280	300	310	330	340	360	370	390	400	420	430	450	460	480	
	469666.75	489236.20	528375.09	547944.54	587083.44	606652.88	645791.78	665361.23	704500.13	724069.57	763208.47	782777.92	821916.81	841486.26	880625.16	900194.61	939333.50	
11D	231	253	264	275	297	308	330	341	352	374	385	396	418	429	440	462	473	
	452054.25	495107.03	516633.42	538159.82	581212.60	602739.00	645791.78	667318.17	688844.57	731897.35	753423.75	774950.14	818002.92	839529.32	861055.71	904108.50	925634.89	
12D	240	252	264	276	300	312	324	336	360	372	384	396	420	432	444	456	480	
	469666.75	493150.09	516633.42	540116.76	587083.44	610566.77	634050.11	657533.45	704500.13	727983.46	751466.80	774950.14	821916.81	845400.15	868883.49	892366.83	939333.50	
13D	234	247	260	273	299	312	325	338	351	364	390	403	416	429	442	455	468	
	457925.08	483365.36	508805.64	534245.93	585126.49	610566.77	636007.06	661447.34	686887.62	712327.90	763208.47	788648.75	814089.03	839529.32	864969.60	890409.88	915850.16	
14D	238	252	266	280	294	308	322	336	350	364	378	392	420	434	448	462	476	
	465752.86	493150.09	520547.31	547944.54	575341.77	602739.00	630136.22	657533.45	684930.68	712327.90	739725.13	767122.36	821916.81	849314.04	876711.27	904108.50	931505.72	
15D	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480	
	469666.75	499020.92	528375.09	557729.26	587083.44	616437.61	645791.78	675145.95	704500.13	733854.30	763208.47	792562.64	821916.81	851270.99	880625.16	909979.33	939333.50	
16D	240	240	256	272	288	304	320	336	352	368	384	400	416	432	448	464	480	
	469666.75	469666.75	500977.87	532288.98	563600.10	594911.22	626222.33	657533.45	688844.57	720155.68	751466.80	782777.92	814089.03	845400.15	876711.27	908022.38	939333.50	

**Note 1:** D: data disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKM/RKEM.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

## RAID 1 SAS7.2K disk drive capacities (2,000 GB)

Table 8-81: RAID 1 SAS7.2K disk drive capacities (2,000 GB)

Disk capacity		195694 Gbytes														
Component unit	RK/S/RKES/ RKM/RKEM	RKAK														
Range	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Component unit	RKAK/ RKAKD (*2)															
Range	1 (*2)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Total range of Disk drives	Min. 15 (Max)	30	45	60	75	90	105	120 (Max) (*3)	135	150	165	180	195	210	225	
1D+1D (*1)	2	14	30	44	60	74	90	104	120	134	150	164	180	194	210	224
(*1)	1956.94	13698.61	29354.17	43052.78	58708.34	72406.95	88062.51	101761.12	117416.68	131115.30	146770.86	160469.47	176125.03	189823.64	205479.20	219177.81

Disk capacity		195694 Gbytes															
Component unit	RKAK																
Range	15																
Component unit	RKAK/ RKAKD (*2)																
Range	16 (*2)	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total range of Disk drives	240 (Max) (*4)	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (Max) (*5)
2D+1P	240	254	270	284	300	314	330	344	360	374	390	404	420	434	450	464	480
(*1)	234833.37	248531.99	264187.54	277886.16	293541.72	307240.33	322895.89	336594.50	352250.06	365948.67	381604.23	395302.85	410958.40	424857.02	440312.58	454011.19	469666.75

**Note 1:** D: data disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHD/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKS/RKES.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKM/RKEM.

**Note 5:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHD/RKEHD.

# RAID 5 SAS7.2K disk drive capacities (2,000 GB)

Table 8-82: RAID 5 SAS7.2K Disk Drive Capacities (2,000 GB)

Disk capacity	195694 G bytes																
Component unit	RKAK																
Range	15																
Component unit	RKAK/ RKAKD (*2)																
Range	16 (*2)	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total range of Disk drives	240 (1b×) (*3)	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (1b×) (*4)
2D+1P (*1)	240 313111.16	255 332680.6	270 352250.06	285 371819.5	300 391388.96	315 410958.4	330 430527.85	345 450097.3	360 469666.75	375 489236.2	390 508805.64	405 528375.09	420 547944.54	435 567513.99	450 587083.44	465 606652.88	480 626222.33
3D+1P	240 352250.06	252 369862.56	268 393345.9	284 416829.24	300 440312.58	312 457925.08	328 481408.42	344 504891.75	360 528375.09	372 545987.6	388 569470.93	404 592954.27	420 616437.61	432 634050.11	448 657533.45	464 681016.79	480 704500.13
4D+1P	240 375733.4	255 399216.74	270 422700.07	285 446183.4	300 469666.75	315 493150.09	330 516633.42	345 540116.76	360 563600.1	375 587083.44	390 610566.77	405 634050.11	420 657533.45	435 681016.79	450 704500.13	465 727983.46	480 751466.8
5D+1P	240 391388.96	252 410958.4	270 440312.58	282 459882.02	300 489236.2	312 508805.64	330 538159.82	342 557729.26	360 587083.44	372 606652.88	390 636007.06	402 655576.5	420 684930.68	432 704500.13	450 733854.3	462 753423.75	480 782777.92
6D+1P	238 399216.74	252 422700.07	266 446183.4	280 469666.75	294 493150.09	315 528375.09	329 551858.43	343 575341.77	357 598825.11	371 622308.44	385 645791.78	399 669275.12	420 704500.13	434 727983.46	448 751466.8	462 774950.14	476 798433.48
7D+1P	240 410958.4	248 424657.02	264 452054.25	280 479451.47	296 506848.7	312 534245.93	328 561643.15	344 589040.38	360 616437.61	368 630136.22	384 657533.45	400 684930.68	416 712327.9	432 739725.13	448 767122.36	464 794519.59	480 821916.81
8D+1P	234 407044.5	252 438355.63	270 469666.75	279 485322.3	297 516633.42	315 547944.54	324 563600.1	342 594911.22	360 626222.33	369 641877.89	387 673899	405 704500.13	414 720155.68	432 751466.8	450 782777.92	459 798433.48	477 829744.59
9D+1P	240 422700.07	250 440312.58	270 475537.58	280 493150.09	300 528375.09	310 545987.6	330 581216.6	340 598825.11	360 634050.11	370 651662.62	390 686887.62	400 704500.13	420 739725.13	430 757337.63	450 792562.64	460 810175.14	480 845400.15
10D+1P	231 410958.4	253 450097.3	264 469666.75	275 489236.2	297 528375.09	308 547944.54	341 587083.44	352 606652.88	374 626222.33	385 665361.23	396 684930.68	418 704500.13	429 743639.02	440 763208.47	455 782777.92	473 821916.81	486 841486.26
11D+1P	240 430527.85	252 452054.25	264 473580.64	276 495107.03	300 538159.82	312 559686.2	324 581216.6	336 602739.0	360 645791.78	372 667318.17	384 688844.57	396 710370.96	420 753423.75	432 774950.14	444 796476.53	456 818002.92	480 861055.71
12D+1P	234 422700.07	247 446183.4	260 469666.75	273 493150.09	299 540116.76	312 563600.1	325 587083.44	338 610566.77	351 634050.11	364 657533.45	390 704500.13	403 727983.46	416 751466.8	429 774950.14	442 798433.48	455 821916.81	468 845400.15
13D+1P	238 432484.8	252 457925.08	266 483365.36	280 508805.64	294 534245.93	308 559686.2	322 585126.49	336 610566.77	350 636007.06	364 661447.34	378 686887.62	392 712327.9	420 763208.47	434 788648.75	448 814089.03	462 839529.32	476 864969.6
14D+1P	240 438355.63	255 465752.86	270 493150.09	285 520547.3	300 547944.54	315 575341.77	330 602739.0	345 630136.22	360 657533.45	375 684930.68	390 712327.9	405 739725.13	420 767122.36	435 794519.59	450 821916.8	465 849314.04	480 876711.27
15D+1P	240 440312.58	240 440312.58	256 469666.75	272 499020.92	288 528375.09	304 557729.26	320 587083.44	336 616437.61	352 645791.78	368 675145.95	384 704500.13	400 733854.3	416 763208.47	432 792562.64	448 821916.8	464 851270.99	480 880625.16

Note 1: D: data disk, P: parity disk.

Note 2: Indicates component unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHD/RKED.

Note 3: Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKS/RKES.

# RAID 5 SAS7.2K disk drive capacities (2,000 GB)

Table 8-83: RAID 5 SAS7.2K Disk Drive Capacities (2,000 GB)

Disk capacity 195694 Gbytes																	
Component unit	RAK																
Range	15																
Component unit	RAK/RKAKD (*2)																
Range	16 (*2)	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total range of Disk drives	240 (16x) (*3)	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (16x) (*4)
2D+1P (*1)	240 313111.16	255 332680.6	270 352250.06	285 371819.5	300 391388.96	315 410958.40	330 430527.85	345 450097.30	360 469666.75	375 489236.20	390 508805.64	405 528375.09	420 547944.54	435 567513.99	450 587083.44	465 606652.88	480 626222.33
3D+1P	240 352250.06	252 369862.56	266 393345.90	282 416829.24	296 440312.58	312 457925.08	328 481408.42	344 504891.75	360 528375.09	376 545967.60	390 569470.93	405 592954.27	420 616437.61	435 634050.11	450 657533.45	465 681016.79	480 704500.13
4D+1P	240 375733.40	252 399216.74	270 422700.07	286 446183.41	300 469666.75	315 493150.09	330 516633.43	345 540116.76	360 563600.10	375 587083.44	390 610566.77	405 634050.11	420 657533.45	435 681016.79	450 704500.13	465 727983.46	480 751466.80
5D+1P	240 391388.96	252 410958.40	270 440312.58	286 459882.02	300 489236.20	315 508805.64	330 538159.82	345 557729.26	360 587083.44	375 606652.88	390 636007.06	405 655576.50	420 684930.68	435 704500.13	450 733854.30	465 753423.75	480 782777.92
6D+1P	238 399216.74	252 422700.07	266 446183.41	280 469666.75	294 493150.09	315 528375.09	329 551858.43	343 575341.77	357 598825.11	371 622308.44	385 645791.78	399 669275.12	420 704500.13	434 727983.46	448 751466.80	462 774950.14	476 798433.48
7D+1P	240 410958.40	248 424657.02	264 452054.25	280 479451.47	296 506848.70	312 534245.93	328 561643.15	344 589040.38	360 616437.61	376 630186.22	390 657533.45	405 684930.68	420 712327.90	435 739725.13	450 767122.36	465 794519.59	480 821916.81
8D+1P	234 407044.51	252 438355.63	270 469666.75	279 485322.31	296 516633.42	315 547944.54	324 563600.10	342 594911.22	360 626222.33	369 641877.89	387 673890.17	405 704500.13	414 720155.68	432 751466.80	450 782777.92	459 798433.48	477 829744.59
9D+1P	240 422700.07	250 440312.58	270 475537.58	280 493150.09	300 528375.09	310 545987.60	330 581212.60	340 598825.11	360 634050.11	370 651662.62	390 686887.62	400 704500.13	420 739725.13	430 757337.63	450 792562.64	460 810175.14	480 845400.15
10D+1P	231 410958.40	253 450097.30	264 469666.75	275 489236.20	297 528375.09	308 547944.54	330 587083.44	341 606652.88	352 626222.33	374 665361.23	385 684930.68	396 704500.13	418 743639.02	429 763208.47	440 782777.92	462 821916.81	473 841486.26
11D+1P	240 430527.85	252 452054.25	264 473580.64	276 495107.03	300 538159.82	312 559686.21	324 581212.60	336 602739.00	360 645791.78	372 667318.17	384 688844.57	396 710370.96	420 753423.75	432 774950.14	444 796476.53	456 818002.92	480 861055.71
12D+1P	234 422700.07	247 446183.41	260 469666.75	273 493150.09	299 540116.76	312 563600.10	325 587083.44	338 610566.77	351 634050.11	364 657533.45	390 704500.13	403 727983.46	416 751466.80	429 774950.14	442 798433.48	455 821916.81	468 845400.15
13D+1P	238 432484.80	252 457925.08	266 483365.36	280 508805.64	294 534245.93	308 559686.21	322 585126.49	336 610566.77	350 636007.06	364 661447.34	378 686887.62	392 712327.90	420 763208.47	434 788648.75	448 814089.03	462 839529.32	476 864969.60
14D+1P	240 438355.63	255 465752.86	270 493150.09	285 520547.31	300 547944.54	315 575341.77	330 602739.00	345 630186.22	360 657533.45	375 684930.68	390 712327.90	405 739725.13	420 767122.36	435 794519.59	450 821916.81	465 849314.04	480 876711.27
15D+1P	240 440312.58	240 440312.58	256 469666.75	272 499020.92	288 528375.09	304 557729.26	320 587083.44	336 616437.61	352 645791.78	368 675145.95	384 704500.13	400 733854.30	416 763208.47	432 792562.64	448 821916.81	464 851270.99	480 880625.16

**Note 1:** D: D: data disk, P: parity disk.

**Note 2:** Indicates component unit and range when RKAks are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHD/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAks are connected to the RKM/RKEM.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAks are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHD/RKEHD.

# RAID 6 SAS7.2K disk drive capacities (2,000 GB)

Table 8-84: RAID 6 SAS7.2K Disk Drive Capacities (2,000 GB)

Component unit	RKS/RKES/RKMRKE	RKAK														
Range	1	2	3	4	5	6	7	8	9	10	11	12	13	14		
Component unit	RKAK/RKAKD (*2)															
Range	1 (*2)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Total range of Disk drives	Min. 15 (Max)	30	45	60	75	90	105	120 (Max) (*3)	135	150	165	180	195	210	225	
2D+2P	4	12	28	44	60	72	88	104	120	132	148	164	180	192	208	224
(*1)	3913.88	11741.66	27397.22	43052.78	58708.34	70450.01	86105.57	10176.12	117416.68	129158.35	144813.91	160469.47	176125.03	187866.70	203522.25	219177.81
3D+2P	5	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
	5870.83	17612.50	35225.00	52837.50	70450.01	88062.51	105675.01	123287.52	140900.02	158512.52	176125.03	193737.53	211350.03	228962.54	246575.04	264187.54
4D+2P	6	12	30	42	60	72	90	102	120	132	150	162	180	192	210	222
	7827.77	15655.55	39138.89	54794.45	78277.79	93933.35	117416.68	133072.24	156555.58	172211.14	195694.48	211350.03	234833.37	250488.93	273972.27	289627.83
5D+2P	7	14	28	42	56	70	84	105	119	133	147	161	175	189	210	224
	9784.72	19569.44	39138.89	58708.34	78277.79	97847.24	117416.68	146770.86	166340.30	185909.75	205479.20	225048.65	244618.10	264187.54	29354.172	313111.16
6D+2P	8	8	24	40	56	72	88	104	120	128	144	160	176	192	208	224
	11741.66	11741.66	35225.00	58708.34	82191.68	105675.01	129158.35	152641.69	176125.03	187866.70	211350.03	234833.37	258316.71	281800.05	305283.38	328766.72
7D+2P	9	9	27	45	54	72	90	99	117	135	144	162	180	189	207	225
	13698.61	13698.61	41095.84	68493.06	82191.68	109588.90	136986.13	150684.75	178081.97	205479.20	219177.81	246575.04	273972.27	287670.88	315068.11	342465.34
8D+2P	10	10	30	40	60	70	90	100	120	130	150	160	180	190	210	220
	15655.55	15655.55	46966.67	62622.23	93933.35	109588.90	140900.02	156555.58	187866.70	203522.25	234833.37	250488.93	281800.05	297455.61	328766.72	344422.28
9D+2P	11	11	22	44	55	66	88	99	110	132	143	165	176	187	209	220
	17612.50	17612.50	35225.00	70450.01	88062.51	105675.01	140900.02	158512.52	176125.03	211350.03	228962.54	264187.54	281800.05	299412.55	334637.56	352250.06
10D+2P	12	12	24	36	60	72	84	96	120	132	144	156	180	192	204	216
	19569.44	19569.44	39138.89	58708.34	97847.24	117416.68	136986.13	156555.58	195694.48	215263.92	234833.37	254402.82	29354.172	313111.16	332680.61	352250.06
11D+2P	13	13	26	39	52	65	78	104	117	130	143	156	169	195	208	221
	21526.39	21526.39	43052.78	64579.17	86105.57	107631.96	129158.35	172211.14	193737.53	215263.92	236790.32	258316.71	279843.10	322895.89	344422.28	365948.67
12D+2P	14	14	28	42	56	70	84	98	112	126	140	154	168	182	210	224
	23483.33	23483.33	46966.67	70450.01	93933.35	117416.68	140900.02	164383.36	187866.70	211350.03	234833.37	258316.71	281800.05	305283.38	352250.06	375733.40
13D+2P	15	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
	25440.28	25440.28	50880.56	76320.84	10176.12	12720.141	152641.69	178081.97	203522.25	228962.54	254402.82	279843.10	305283.38	330723.67	356163.95	381604.23
14D+2P	0	0	16	32	48	64	80	96	112	128	144	160	176	192	208	224
	0.00	0.00	27397.22	54794.45	82191.68	109588.90	136986.13	164383.36	191780.59	219177.81	246575.04	273972.27	301369.50	328766.72	356163.95	383561.18
15D+2P	0	0	17	34	51	68	85	102	119	136	153	170	187	204	221	
	0.00	0.00	29354.17	58708.34	88062.51	117416.68	146770.86	176125.03	205479.20	234833.37	264187.54	29354.172	322895.89	352250.06	381604.23	
16D+2P	0	0	18	36	54	72	90	108	126	144	162	180	180	198	216	
	0.00	0.00	31311.11	62622.23	93933.35	125244.46	156555.58	187866.70	219177.81	250488.93	281800.05	313111.16	313111.16	344422.28	375733.40	
17D+2P	0	0	19	38	57	76	95	114	133	152	171	190	209	209	209	
	0.00	0.00	33268.06	66536.12	99804.18	99804.18	133072.24	166340.30	199608.37	232876.43	266144.49	299412.55	332680.61	365948.67	365948.67	
18D+2P	0	0	20	40	60	80	100	120	120	140	160	180	180	200	220	
	0.00	0.00	35225.00	70450.01	105675.01	105675.01	140900.02	176125.03	211350.03	211350.03	246575.04	281800.05	317025.05	317025.05	352250.06	387475.07
19D+2P	0	0	21	42	42	63	84	105	105	126	147	147	168	189	210	210
	0.00	0.00	37181.95	74363.90	74363.90	111545.85	148727.80	185909.75	185909.75	223091.70	260273.65	260273.65	297455.61	334637.56	371819.51	371819.51

- Note 1: D: data disk, P: parity disk.
- Note 2: Indicates component unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKED/RKEHD.
- Note 3: Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKS/RKES.

## RAID 6 SAS7.2K disk drive capacities (2,000 GB) (Continued)

Table 8-85: RAID 6 SAS7.2K Disk Drive Capacities (2,000 GB)

20 D+2 P	0	0	22	44	44	66	88	88	110	132	132	154	176	176	198	220
	0.00	0.00	39138.89	78277.79	78277.79	117416.68	156555.58	156555.58	195694.48	234833.37	234833.37	273972.27	313111.16	313111.16	352250.06	391388.96
21 D+2 P	0	0	23	23	46	69	69	92	115	115	138	161	161	184	207	207
	0.00	0.00	41095.84	41095.84	82191.68	123287.52	123287.52	164383.36	205479.20	205479.20	246575.04	287670.88	287670.88	328766.72	369862.56	369862.56
22 D+2 P	0	0	24	24	48	72	72	96	120	120	144	144	168	192	192	216
	0.00	0.00	43052.78	43052.78	86105.57	129158.35	129158.35	172211.14	215263.92	215263.92	258316.71	258316.71	301369.50	344422.28	344422.28	387475.07
23 D+2 P	0	0	25	25	50	75	75	100	100	125	150	150	175	175	200	225
	0.00	0.00	45009.73	45009.73	90019.46	135029.19	135029.19	180038.92	180038.92	225048.65	270058.38	270058.38	315068.11	315068.11	360077.84	405087.57
24 D+2 P	0	0	26	26	52	52	78	104	104	130	130	156	156	182	208	208
	0.00	0.00	46966.67	46966.67	93933.35	93933.35	140900.02	187866.70	187866.70	234833.37	234833.37	281800.05	281800.05	328766.72	375733.40	375733.40
25 D+2 P	0	0	27	27	54	54	81	81	108	135	135	162	162	189	189	216
	0.00	0.00	48923.62	48923.62	97847.24	97847.24	146770.86	146770.86	195694.48	244618.10	244618.10	293541.72	293541.72	342465.34	342465.34	391388.96
26 D+2 P	0	0	28	28	56	56	84	84	112	112	140	140	168	168	196	224
	0.00	0.00	50880.56	50880.56	101761.12	101761.12	152641.69	152641.69	203522.25	203522.25	254402.82	254402.82	305283.38	305283.38	356163.95	407044.51
27 D+2 P	0	0	29	29	58	58	87	87	116	116	145	145	174	174	203	203
	0.00	0.00	52837.50	52837.50	105675.01	105675.01	158512.52	158512.52	211350.03	211350.03	264187.54	264187.54	317025.05	317025.05	369862.56	369862.56
28 D+2 P	0	0	30	30	60	60	90	90	120	120	150	150	180	180	210	210
	0.00	0.00	54794.45	54794.45	109588.90	109588.90	164383.36	164383.36	219177.81	219177.81	273972.27	273972.27	328766.72	328766.72	383561.18	383561.18

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHD/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKS/RKES.

# RAID 6 SAS7.2K disk drive capacities (2,000 GB) (Continued)

Table 8-86: RAID 6 SAS7.2K disk drive capacities (2,000 GB)

Disk capacity	195694 G bytes																	
Component unit	RKAK																	
Range	15																	
Component unit	RKAK/ RKAKD (*2)																	
Range	16 (*2)	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
Total range of Disk drives	240 (16x) (*3)	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (16x) (*4)	
2D+2P	240	252	264	276	300	312	324	336	348	360	372	384	404	420	432	444	464	480
(*)	234833.37	246575.04	262230.60	277866.16	293541.72	305263.38	320938.94	336594.50	352250.06	363991.73	379647.29	395302.85	410958.40	422700.07	438355.63	454011.19	469666.75	
3D+2P	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480	
	281800.05	299412.55	317025.05	334637.56	352250.06	369862.56	387475.07	405087.57	422700.07	440312.58	457925.08	475537.58	493150.09	510762.59	528375.09	545987.60	563600.10	
4D+2P	240	252	270	282	300	312	330	342	360	372	390	402	420	432	450	462	480	
	313111.16	328766.72	352250.06	367905.62	391388.96	407044.51	430527.85	446183.41	469666.75	485322.31	508805.64	524461.20	547944.54	563600.10	587083.44	602739.00	626222.33	
5D+2P	238	252	266	280	294	315	329	343	357	371	385	399	420	434	448	462	476	
	332680.61	352250.06	371819.51	391388.96	410958.40	440312.58	459882.02	479451.47	499020.92	518590.37	538159.82	557729.26	587083.44	606652.88	626222.33	645791.78	665361.23	
6D+2P	240	248	264	280	296	312	328	344	360	368	384	400	416	432	448	464	480	
	352250.06	363991.73	387475.07	410958.40	434441.74	457925.08	481408.42	504891.75	528375.09	540116.76	563600.10	587083.44	610566.77	634050.11	657533.45	681016.79	704500.13	
7D+2P	234	252	270	279	297	315	324	342	360	369	387	405	414	432	450	459	477	
	356163.95	383561.18	410958.40	424657.02	452054.25	479451.47	493150.09	520547.31	547944.54	561643.15	589040.38	616437.61	630136.22	657533.45	684930.68	698629.29	726026.52	
8D+2P	240	250	270	280	300	310	330	340	360	370	390	400	420	430	450	460	480	
	375733.40	391388.96	422700.07	438355.63	469666.75	485322.31	516633.42	532288.98	563600.10	579255.66	610566.77	626222.33	657533.45	673189.01	704500.13	720155.68	751466.80	
9D+2P	231	253	264	275	297	308	330	341	352	374	385	396	418	429	440	462	473	
	369862.56	405087.57	422700.07	440312.58	475537.58	493150.09	528375.09	545987.60	563600.10	598825.11	616437.61	634050.11	669275.12	686887.62	704500.13	739725.13	757337.63	
10D+2P	240	252	264	276	300	312	324	336	360	372	384	396	420	432	444	456	480	
	391388.96	410958.40	430527.85	450097.30	489236.20	508805.64	528375.09	547944.54	587083.44	606652.88	626222.33	645791.78	684930.68	704500.13	724069.57	743639.02	782777.92	
11D+2P	234	247	260	273	299	312	325	338	351	364	390	403	416	429	442	455	468	
	387475.07	409001.46	430527.85	452054.25	495107.03	516633.42	538159.82	559686.21	581212.60	602739.00	645791.78	667318.17	688844.57	710370.96	731897.35	753423.75	774950.14	
12D+2P	238	252	266	280	294	308	322	336	350	364	378	392	420	434	448	462	476	
	399216.74	422700.07	446183.41	469666.75	493150.09	516633.42	540116.76	563600.10	587083.44	610566.77	634050.11	657533.45	704500.13	727983.46	751466.80	774950.14	798433.48	
13D+2P	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480	
	407044.51	432484.80	457925.08	483365.36	508805.64	534245.93	559686.21	585126.49	610566.77	636007.06	661447.34	686887.62	712327.90	737768.19	763208.47	788648.75	814089.03	
14D+2P	240	240	256	272	288	304	320	336	352	368	384	400	416	432	448	464	480	
	410958.40	410958.40	438355.63	465752.86	493150.09	520547.31	547944.54	575341.77	602739.00	630136.22	657533.45	684930.68	712327.90	739725.13	767122.36	794519.59	821916.81	
15D+2P	238	255	255	272	289	306	323	340	357	374	374	391	408	425	442	459	476	
	410958.40	440312.58	440312.58	469666.75	499020.92	528375.09	557729.26	587083.44	616437.61	645791.78	645791.78	675145.95	704500.13	733854.30	763208.47	792562.64	821916.81	
16D+2P	234	252	270	270	288	306	324	342	360	360	378	396	414	432	450	450	468	
	407044.51	438355.63	469666.75	469666.75	500977.87	532288.98	563600.10	594911.22	626222.33	626222.33	657533.45	688844.57	720155.68	751466.80	782777.92	782777.92	814089.03	
17D+2P	228	247	266	285	285	304	323	342	342	361	380	399	418	418	437	456	475	
	399216.74	432484.80	465752.86	499020.92	499020.92	532288.98	565957.04	598825.11	598825.11	632093.17	665361.23	698629.29	731897.35	731897.35	765165.41	798433.48	831701.54	
18D+2P	240	240	260	280	300	300	320	340	360	360	380	400	420	420	440	460	480	
	422700.07	422700.07	457925.08	493150.09	528375.09	528375.09	563600.10	598825.11	634050.11	634050.11	669275.12	704500.13	739725.13	739725.13	774950.14	810175.14	845400.15	
19D+2P	231	252	252	273	294	315	315	336	357	357	378	399	420	420	441	462	462	
	409001.46	446183.41	446183.41	483365.36	520547.31	557729.26	557729.26	594911.22	632093.17	632093.17	669275.12	706457.07	743639.02	743639.02	780820.97	818002.92	818002.92	
20D+2P	220	242	264	264	286	308	330	352	374	374	396	396	418	418	440	462	462	
	391388.96	430527.85	469666.75	469666.75	508805.64	547944.54	587083.44	587083.44	626222.33	665361.23	665361.23	704500.13	743639.02	743639.02	782777.92	821916.81	821916.81	

Note 1: D: data disk, P: parity disk.

Note 2: Indicates component unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

Note 3: Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKM/RKEM.

Note 4: Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

# RAID 6 SAS7.2K disk drive capacities (2,000 GB) (Continued)

Table 8-87: RAID 6 SAS7.2K disk drive capacities (2,000 GB)

11D+2P	230	253	253	276	299	299	322	345	345	368	368	391	414	414	437	460	460
	410958.40	452054.25	452054.25	493150.09	534245.93	534245.93	575341.77	616437.61	616437.61	657533.45	657533.45	698629.29	739725.13	739725.13	780820.97	821916.81	821916.81
12D+2P	240	240	264	264	288	312	312	336	360	360	384	384	408	432	432	456	480
	430527.85	430527.85	473580.64	473580.64	516633.42	559686.21	559686.21	602739.00	645791.78	645791.78	688844.57	688844.57	731897.35	774950.14	774950.14	818002.92	861055.71
13D+2P	225	250	250	275	300	300	325	325	350	375	375	400	400	425	450	450	475
	405087.57	450097.30	450097.30	495107.03	540116.76	540116.76	585126.49	585126.49	630136.22	675145.95	675145.95	720155.68	720155.68	765165.41	810175.14	810175.14	855184.88
14D+2P	234	234	260	260	286	312	312	338	338	364	390	390	416	416	442	442	468
	422700.07	422700.07	469666.75	469666.75	516633.42	563600.10	563600.10	610566.77	610566.77	657533.45	704500.13	704500.13	751466.80	751466.80	798433.48	798433.48	845400.15
15D+2P	216	243	270	270	297	297	324	324	351	351	378	405	405	432	432	459	459
	391388.96	440312.58	489236.20	489236.20	538159.82	538159.82	587083.44	587083.44	636007.06	636007.06	684930.68	733854.30	733854.30	782777.92	782777.92	831701.54	831701.54
16D+2P	224	252	252	280	280	308	308	336	336	364	364	392	420	420	448	448	476
	407044.51	457925.08	457925.08	508805.64	508805.64	559686.21	559686.21	610566.77	610566.77	661447.34	661447.34	712327.90	712327.90	763208.47	763208.47	814089.03	814089.03
17D+2P	232	232	261	261	290	290	319	319	348	348	377	377	406	435	435	464	464
	422700.07	422700.07	475537.58	475537.58	528375.09	528375.09	581212.60	581212.60	634050.11	634050.11	686887.62	686887.62	739725.13	792562.64	792562.64	845400.15	845400.15
18D+2P	240	240	270	270	300	300	330	330	360	360	390	390	420	420	450	450	480
	438355.63	438355.63	493150.09	493150.09	547944.54	547944.54	602739.00	602739.00	657533.45	657533.45	712327.90	712327.90	767122.36	767122.36	821916.81	821916.81	876711.27

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHD/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKM/RKEM.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHD/RKEHD.

# RAID 1+0 SAS7.2K disk drive capacities (2,000 GB)

Table 8-88: RAID 1+0 SAS7.2K disk drive capacities (2,000 GB)

Disk capacity		195694 Gbytes														
Component unit	RKS/RKES/ RKM/RKEM	RKAK														
Range	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Component unit	RKAK/ RKAKD (*2)															
Range	1 (*2)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Total range of Disk drives	Min. 15 (libx)	30	45	60	75	90	105	120 (libx) (*3)	135	150	165	180	195	210	225	
2D+2D	4	12	24	44	60	72	88	104	120	132	148	164	180	192	208	224
(*1)	3913.88	11741.66	27397.22	43052.78	58708.34	70450.01	86105.57	10176.112	117416.68	12958.35	144813.91	160469.47	176125.03	187866.70	203522.25	219177.81
3D+3D	6	12	30	42	60	72	90	102	120	132	150	162	180	192	210	222
	5870.83	11741.66	29354.17	41095.84	58708.34	70450.01	88062.51	99804.08	117416.68	12958.35	146770.86	158512.52	176125.03	187866.70	205479.20	217220.87
4D+4D	8	8	24	40	56	72	88	104	120	128	144	160	176	192	208	224
	7827.77	7827.77	23483.33	39138.89	54794.45	70450.01	86105.57	10176.112	117416.68	125244.46	140900.02	156555.58	172211.14	187866.70	203522.25	219177.81
5D+5D	10	10	30	40	60	70	90	100	120	130	150	160	180	190	210	220
	9784.72	9784.72	29354.17	39138.89	58708.34	68493.06	88062.51	97847.24	117416.68	127201.41	146770.86	156555.58	176125.03	185909.75	205479.20	215263.92
6D+6D	12	12	24	36	60	72	84	96	120	122	144	156	180	192	204	216
	11741.66	11741.66	23483.33	35225.00	58708.34	70450.01	82191.68	93933.35	117416.68	12958.35	140900.02	152641.69	176125.03	187866.70	199608.37	211350.03
7D+7D	14	14	28	42	56	70	84	98	112	126	140	154	168	182	210	224
	13698.61	13698.61	27397.22	41095.84	54794.45	68493.06	82191.68	95890.29	109588.90	123287.52	136986.13	150684.75	164383.36	178081.97	205479.20	219177.81
8D+8D	0	0	16	32	48	64	80	96	112	128	144	160	176	192	208	224
	0.00	0.00	15655.55	31311.11	46966.67	62622.23	78277.79	93933.35	109588.90	125244.46	140900.02	156555.58	172211.14	187866.70	203522.25	219177.81

Disk capacity		195694 Gbytes															
Component unit	RKAK																
Range	15																
Component unit	RKAK/ RKAKD (*2)																
Range	15 (*2)	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total range of Disk drives	210 (libx) (*4)	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (libx) (*5)
2D+2D	240	252	266	284	300	312	328	344	360	372	388	404	420	432	448	464	480
(*1)	234833.37	246575.04	262230.60	277886.16	293541.72	305283.38	320938.94	336594.50	352250.06	363991.73	379647.29	395302.85	410958.40	422700.07	438355.63	454011.19	469666.75
3D+3D	240	252	270	282	300	312	330	342	360	372	390	402	420	432	450	462	480
	234833.37	246575.04	264875.4	275929.21	293541.72	305283.38	322895.89	334637.56	352250.06	363991.73	381604.23	393345.90	410958.40	422700.07	440312.58	452054.25	469666.75
4D+4D	240	248	264	280	296	312	328	344	360	368	384	400	416	432	448	464	480
	234833.37	242661.15	258316.71	273972.27	289627.83	305283.38	320938.94	336594.50	352250.06	360077.84	375733.40	391388.96	407044.51	422700.07	438355.63	454011.19	469666.75
5D+5D	240	250	270	280	300	310	330	340	360	370	390	400	420	430	450	460	480
	234833.37	244618.10	264875.4	273972.27	293541.72	303326.44	322895.89	332680.6	352250.06	362034.78	381604.23	391388.96	410958.40	420743.13	440312.58	450097.30	469666.75
6D+6D	240	252	264	276	300	312	324	336	360	372	384	396	420	432	444	456	480
	234833.37	246575.04	258316.71	270058.38	293541.72	305283.38	317025.05	328766.73	352250.06	363991.73	375733.40	387475.07	410958.40	422700.07	434441.74	446183.41	469666.75
7D+7D	238	252	266	280	294	308	322	336	350	364	378	392	420	434	448	462	476
	232876.43	246575.04	260273.65	273972.27	287670.88	301369.50	315068.11	328766.73	342465.34	356163.95	369862.56	383561.18	410958.40	424657.02	438355.63	452054.25	465752.86
8D+8D	240	240	256	272	288	304	320	336	352	368	384	400	416	432	448	464	480
	234833.37	234833.37	250488.93	266144.49	281800.05	297455.61	313111.16	328766.73	344422.28	360077.84	375733.40	391388.96	407044.51	422700.07	438355.63	454011.19	469666.75

Note 1: D: data disk.

Note 2: Indicates component unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

Note 3: Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKS/RKES.

Note 4: Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKM/RKEM.

Note 5: Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

## RAID 1 SATA disk drive capacities (2,000 GB)

**Table 8-89: RAID 1 SATA Disk Drive Capacities (2,000 GB) 1 of 2**

Drive capacity	1968.52 GB															
Unit	RKS/RKES/ RKM/RKEM		RKAK													
Range	1		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Unit	RKAK/RKAKD (Note2)															
Range	1 (Note2)		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Total Range	Min.	15 (max)	30	45	60	75	90	105	120 (max) (Note3)	135	150	165	180	195	210	225
1D+1D (Note 1)	2	14	30	44	60	74	90	104	120	134	150	164	180	194	210	224
	1968.52	13779.64	29527.81	43307.46	59055.63	72835.28	88583.44	102363.09	118111.26	131890.91	147639.08	161418.72	177166.89	190946.54	206694.71	220474.36

**Table 8-90: RAID 1 SATA Disk Drive Capacities (2,000 GB) 2 of 2**

Drive capacity	1968.52 GB																	
Unit	RKAK																	
Range	15																	
Unit	RKAK/RKAKD (Note2)																	
Range	16 (Note2)	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
Total Range	240 (max) (Note4)	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (max) (Note5)	
1D+1D (Note 1)	240	254	270	284	300	314	330	344	360	374	390	404	420	434	450	464	480	
	236222.53	250002.17	265750.34	279529.99	295278.16	309057.81	324805.97	338585.62	354333.79	368113.44	383861.61	397641.25	413389.42	427169.07	442917.24	456696.89	472445.06	

**Note 1:** D: data disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKS/RKES.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKM/RKEM.

**Note 5:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

## RAID 1 SATA disk drive capacities (3,000 GB)

Table 8-91: RAID 1 SATA Disk Drive Capacities (3,000 GB) 1 of 2

Drive capacity	2953.31 GB															
Unit	RKS/RKES/RKM/RKEM		RKAK													
Range	1		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Unit	RKAK/RKAKD (Note2)															
Range	1 (Note2)		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Total Range	Min.	15 (max)	30	45	60	75	90	105	120 (max) (Note3)	135	150	165	180	195	210	225
1D+1D	2	14	30	44	60	74	90	104	120	134	150	164	180	194	210	224
(*1)	2953.31	20673.17	44299.65	64972.82	88599.30	109272.47	132898.95	153572.12	177198.60	197871.77	221498.25	242171.42	265797.90	286471.08	310097.56	330770.73

Table 8-92: RAID 1 SATA Disk Drive Capacities (3,000 GB) 2 of 2

Drive capacity	2953.31 GB GB																	
Unit	RKAK																	
Range	15																	
Unit	RKAK/RKAKD (Note2)																	
Range	16 (Note2)	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
Total Range	240 (max) (Note4)	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (max) (Note5)	
1D+1D	240	254	270	284	300	314	330	344	360	374	390	404	420	434	450	464	480	
(*1)	354397.21	375070.38	398696.86	419370.03	442996.51	463669.68	487296.16	507969.33	531595.81	552268.99	575895.47	596568.64	620195.12	640868.29	664494.77	685167.94	708794.42	

**Note 1:** D: data disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKS/RKES.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKM/RKEM.

**Note 5:** indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

# RAID 5 SATA disk drive capacities (2000 GB)

**Table 8-93: RAID 5 SATA Disk Drive Capacities (2,000 GB) 1 of 2**

Drive capacity	1968.52 GB															
Unit	RKS/RKES/ RKM/RKEM	RKAK														
Range	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Unit	RKAK/RKAKD (Note2)															
Range	1 (Note2)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Total Range	Min.	15 (max)	30	45	60	75	90	105	120 (max) (Note3)	135	150	165	180	195	210	225
2D+1P (Note 1)	3 3937.04	15 19685.21	30 39370.42	45 59055.63	60 78740.84	75 98426.05	90 118111.26	105 137796.47	120 157481.68	135 177166.89	150 196852.10	165 216537.31	180 236222.53	195 255907.74	210 275592.95	225 295278.16
3D+1P	4 5905.56	12 17716.68	28 41338.94	44 64961.19	60 88583.44	72 106300.13	88 129922.39	104 153544.64	120 177166.89	132 194883.58	148 218505.84	164 242128.09	180 265750.34	192 283467.03	208 307089.28	224 330711.54
4D+1P	5 7874.08	15 23622.25	30 47244.50	45 70866.75	60 94489.01	75 118111.26	90 141733.51	105 165355.77	120 188978.02	135 212600.27	150 236222.53	165 259844.78	180 283467.03	195 307089.28	210 330711.54	225 354333.79
5D+1P	6 9842.60	12 19685.21	30 49213.02	42 68898.23	60 98426.05	72 118111.26	90 147639.08	102 167324.29	120 196852.10	132 216537.31	150 246065.13	162 265750.34	180 295278.16	192 314963.37	210 344491.18	222 364176.40
6D+1P	7 11811.12	14 23622.25	28 47244.50	42 70866.75	56 94489.01	70 118111.26	84 141733.51	105 177166.89	119 200789.15	133 224411.40	147 248033.65	161 271655.90	175 295278.16	189 318900.41	210 354333.79	224 377956.04
7D+1P	8 13779.64	8 13779.64	24 41338.94	40 68898.23	56 96457.53	72 124016.82	88 151576.12	104 179135.41	120 206694.71	128 220474.36	144 248033.65	160 275592.95	176 303152.24	192 330711.54	208 358270.83	224 385830.13
8D+1P	9 15748.16	9 15748.16	27 47244.50	45 78740.84	54 94489.01	72 125985.34	90 157481.68	99 173229.85	117 204726.19	135 236222.53	144 251970.69	162 283467.03	180 314963.37	189 330711.54	207 362207.87	225 393704.21
9D+1P	10 17716.68	10 17716.68	30 53150.06	40 70866.75	60 106300.13	70 124016.82	90 159450.20	100 177166.89	120 212600.27	130 230316.96	150 265750.34	160 283467.03	180 318900.41	190 336617.10	210 372050.48	220 389767.17
10D+1P	11 19685.21	11 19685.21	22 39370.42	44 78740.84	55 98426.05	66 118111.26	88 157481.68	99 177166.89	110 196852.10	132 236222.53	143 255907.74	165 295278.16	176 314963.37	187 334648.58	209 374019.00	220 393704.21
11D+1P	12 21653.73	12 21653.73	24 43307.46	36 64961.19	60 108268.65	72 129922.39	84 151576.12	96 173229.85	120 216537.31	132 238191.05	144 259844.78	156 281498.51	180 324805.97	192 346459.71	204 368113.44	216 389767.17
12D+1P	13 23622.25	13 23622.25	26 47244.50	39 70866.75	52 94489.01	65 118111.26	78 141733.51	104 188978.02	117 212600.27	130 236222.53	143 259844.78	156 283467.03	169 307089.28	195 354333.79	208 377956.04	221 401578.30
13D+1P	14 25590.77	14 25590.77	28 51181.54	42 76772.32	56 102363.09	70 127953.87	84 153544.64	98 179135.41	112 204726.19	126 230316.96	140 255907.74	154 281498.51	168 307089.28	182 332680.06	210 383861.61	224 409452.38
14D+1P	15 27559.29	15 27559.29	30 55118.59	45 82677.88	60 110237.18	75 137796.47	90 165355.77	105 192915.06	120 220474.36	135 248033.65	150 275592.95	165 303152.24	180 330711.54	195 358270.83	210 385830.13	225 413389.42
15D+1P	0 0.00	0 0.00	16 29527.81	32 59055.63	48 88583.44	64 118111.26	80 147639.08	96 177166.89	112 206694.71	128 236222.53	144 265750.34	160 295278.16	176 324805.97	192 354333.79	208 383861.61	224 413389.42

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHD/RKED.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKS/RKES.

**Table 8-94: RAID 5 SATA Disk Drive Capacities (2,000 GB) 2 of 2**

Drive capacity	1968.52 GB																
Unit	RKAK																
Range	15																
Unit	RKAK/RKAKD (Note2)																
Range	16 (Note2)	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range	240 (max) (Note3)	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (max) (Note4)
2D+1P (Note 1)	240 314963.37	255 334648.58	270 354333.79	285 374019.00	300 393704.21	315 413389.42	330 433074.63	345 452759.84	360 472445.06	375 492130.27	390 511815.48	405 531500.69	420 551185.90	435 570871.11	450 590556.32	465 610241.53	480 629926.74
3D+1P	240 354333.79	252 372050.48	268 395672.73	284 419294.99	300 442917.24	312 460633.93	328 484256.18	344 507878.43	360 531500.69	372 549217.38	388 572839.63	404 596461.88	420 620084.14	432 637800.83	448 661423.08	464 685045.33	480 708667.59
4D+1P	240 377956.04	255 401578.30	270 425200.55	285 448822.80	300 472445.06	315 496067.31	330 519689.56	345 543311.81	360 566934.07	375 590556.32	390 614178.57	405 637800.83	420 661423.08	435 685045.33	450 708667.59	465 732289.84	480 755912.09
5D+1P	240 393704.21	252 413389.42	270 442917.24	282 462602.45	300 492130.27	312 511815.48	330 541343.29	342 561028.50	360 590556.32	372 610241.53	390 639769.35	402 659454.56	420 688982.37	432 708667.59	450 738195.40	462 757880.61	480 787408.43
6D+1P	238 401578.30	252 425200.55	266 448822.80	280 472445.06	294 496067.31	315 531500.69	329 555122.94	343 578745.19	357 602367.45	371 625989.70	385 649611.95	399 673234.21	420 708667.59	434 732289.84	448 755912.09	462 779534.34	476 803156.60
7D+1P	240 413389.42	248 427169.07	264 454728.37	280 482287.66	296 509846.96	312 537406.25	328 564965.55	344 592524.84	360 620084.14	368 633863.78	384 661423.08	400 688982.37	416 716541.67	432 744100.97	448 771660.26	464 799219.56	480 826778.85
8D+1P	234 409452.38	252 440948.72	270 472445.06	279 488193.22	297 519689.56	315 551185.90	324 566934.07	342 598430.40	360 629926.74	369 645674.91	387 677171.25	405 708667.59	414 724415.75	432 755912.09	450 787408.43	459 803156.60	477 834652.94
9D+1P	240 425200.55	250 442917.24	270 478350.62	280 496067.31	300 531500.69	310 549217.38	330 584650.76	340 602367.45	360 637800.83	370 655517.52	390 690950.90	400 708667.59	420 744100.97	430 761817.65	450 797251.03	460 814967.72	480 850401.10
10D+1P	231 413389.42	253 452759.84	264 472445.06	275 492130.27	297 531500.69	308 551185.90	330 590556.32	341 610241.53	352 629926.74	374 669297.16	385 688982.37	396 708667.59	418 748038.01	429 767723.22	440 787408.43	462 826778.85	473 846464.06
11D+1P	240 433074.63	252 454728.37	264 476382.10	276 498035.83	300 541343.29	312 562997.03	324 584650.76	336 606304.49	360 649611.95	372 671265.68	384 692919.42	396 714573.15	420 757880.61	432 779534.34	444 801188.08	456 822841.81	480 866149.27
12D+1P	234 425200.55	247 448822.80	260 472445.06	273 496067.31	299 543311.81	312 566934.07	325 590556.32	338 614178.57	351 637800.83	364 661423.08	390 708667.59	403 732289.84	416 755912.09	429 779534.34	442 803156.60	455 826778.85	468 850401.10
13D+1P	238 435043.15	252 460633.93	266 486224.70	280 511815.48	294 537406.25	308 562997.03	322 588587.80	336 614178.57	350 639769.35	364 665360.12	378 690950.90	392 716541.67	420 767723.22	434 793313.99	448 818904.77	462 844495.54	476 870086.31
14D+1P	240 440948.72	255 468508.01	270 496067.31	285 523626.60	300 551185.90	315 578745.19	330 606304.49	345 633863.78	360 661423.08	375 688982.37	390 716541.67	405 744100.97	420 771660.26	435 799219.56	450 826778.85	465 854338.15	480 881897.44
15D+1P	240 442917.24	240 442917.24	256 472445.06	272 501972.87	288 531500.69	304 561028.50	320 590556.32	336 620084.14	352 649611.95	368 679139.77	384 708667.59	400 738195.40	416 767723.22	432 797251.03	448 826778.85	464 856306.67	480 885834.48

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKM/RKEM.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

# RAID 5 SATA disk drive capacities (3,000 GB)

Table 8-95: RAID 5 SATA Disk Drive Capacities (3,000 GB) 1 of 2

Disk capacity	2953.31 G bytes															
Unit	RKS/RKES/RKM/RKEM		RKAK													
Range	1		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Unit	RKAK/RKAKD (*2)															
Range	1 (*2)		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Total range of Disk drives	Min.	15(Max)	30	45	60	75	90	105	120 (Max) (*3)	135	150	165	180	195	210	225
2D+1P (*1)	3	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
	5906.62	29533.10	59066.20	88599.30	118132.40	147665.50	177198.60	206731.70	236264.80	265797.90	295331.01	324864.11	354397.21	383930.31	413463.41	442996.51
3D+1P	4	12	28	44	60	72	88	104	120	132	148	164	180	192	208	224
	8859.93	26579.79	62019.51	97459.23	132898.95	159478.74	194918.46	230358.18	265797.90	292377.70	327817.42	363257.14	398696.86	425276.65	460716.37	496156.09
4D+1P	5	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
	11813.24	35439.72	70879.44	106319.16	141758.88	177198.60	212638.32	248078.04	283517.77	318957.49	354397.21	389836.93	425276.65	460716.37	496156.09	531595.81
5D+1P	6	12	30	42	60	72	90	102	120	132	150	162	180	192	210	222
	14766.55	29533.10	73832.75	103365.85	147665.50	177198.60	221498.25	251031.35	295331.01	324864.11	369163.76	398696.86	442996.51	472529.61	516829.26	546362.37
6D+1P	7	14	28	42	56	70	84	105	119	133	147	161	175	189	210	224
	17719.86	35439.72	70879.44	106319.16	141758.88	177198.60	212638.32	265797.90	301237.63	336677.35	372117.07	407556.79	442996.51	478436.23	531595.81	567035.54
7D+1P	8	8	24	40	56	72	88	104	120	128	144	160	176	192	208	224
	20673.17	20673.17	62019.51	103365.85	144712.19	186058.53	227404.87	268751.21	310097.56	330770.73	372117.07	413463.41	454809.75	496156.09	537502.43	578848.78
8D+1P	9	9	27	45	54	72	90	99	117	135	144	162	180	189	207	225
	23626.48	23626.48	70879.44	118132.40	141758.88	189011.84	236264.80	259891.28	307144.25	354397.21	378023.69	425276.65	472529.61	496156.09	543409.06	590662.02
9D+1P	10	10	30	40	60	70	90	100	120	130	150	160	180	190	210	220
	26579.79	26579.79	79739.37	106319.16	159478.74	186058.53	239218.11	265797.90	318957.49	345537.28	398696.86	425276.65	478436.23	505016.02	558175.61	584755.40
10D+1P	11	11	22	44	55	66	88	99	110	132	143	165	176	187	209	220
	29533.10	29533.10	59066.20	118132.40	147665.50	177198.60	236264.80	265797.90	295331.01	354397.21	383930.31	442996.51	472529.61	502062.71	561128.92	590662.02
11D+1P	12	12	24	36	60	72	84	96	120	132	144	156	180	192	204	216
	32486.41	32486.41	64972.82	97459.23	162432.05	194918.46	227404.87	259891.28	324864.11	357350.52	389836.93	422323.34	487296.16	519782.57	552268.99	584755.40
12D+1P	13	13	26	39	52	65	78	104	117	130	143	156	169	195	208	221
	35439.72	35439.72	70879.44	106319.16	141758.88	177198.60	212638.32	283517.77	318957.49	354397.21	389836.93	425276.65	460716.37	531595.81	567035.54	602475.26
13D+1P	14	14	28	42	56	70	84	98	112	126	140	154	168	182	210	224
	38393.03	38393.03	76786.06	115179.09	153572.12	191965.15	230358.18	268751.21	307144.25	345537.28	383930.31	422323.34	460716.37	499109.40	575895.47	614288.50
14D+1P	15	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
	41346.34	41346.34	82692.68	124039.02	165385.36	206731.70	248078.04	289424.39	330770.73	372117.07	413463.41	454809.75	496156.09	537502.43	578848.78	620195.12
15D+1P	0	0	16	32	48	64	80	96	112	128	144	160	176	192	208	224
	0.00	0.00	44299.65	88599.30	132898.95	177198.60	221498.25	265797.90	310097.56	354397.21	398696.86	442996.51	487296.16	531595.81	575895.47	620195.12

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHD/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKS/RKES.

**Table 8-96: RAID 5 SATA Disk Drive Capacities (3,000 GB) 2 of 2**

Disk capacity	2953.31 G bytes																
Unit	RKAK																
Range	15																
Component unit	RKAK/RKAKD (*2)																
Range	16(*2)	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total range of Disk drives	240 (Max) (*3)	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (Max) (*4)
2D+1P (1)	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480
	472529.61	502062.71	531595.81	561128.92	590662.02	620195.12	649728.22	679261.32	708794.42	738327.52	767860.62	797393.72	826926.83	856459.93	885993.03	915526.13	945059.23
3D+1P	240	252	268	284	300	312	328	344	360	372	388	404	420	432	448	464	480
	531595.81	558175.61	593615.33	629055.05	664494.77	691074.56	726514.28	761954.00	797393.72	823973.52	859413.24	894852.96	930292.68	956872.47	992312.19	1027751.91	1063191.63
4D+1P	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480
	567035.54	602475.26	637914.98	673354.70	708794.42	744234.14	779673.86	815113.59	850553.31	885993.03	921432.75	956872.47	992312.19	1027751.91	1063191.63	1098631.36	1134071.08
5D+1P	240	252	270	282	300	312	330	342	360	372	390	402	420	432	450	462	480
	590662.02	620195.12	664494.77	694027.87	738327.52	767860.62	812160.28	841693.38	885993.03	915526.13	959825.78	989358.88	1033658.53	1063191.63	1107491.29	1137024.39	1181324.04
6D+1P	238	252	266	280	294	315	329	343	357	371	385	399	420	434	448	462	476
	602475.26	637914.98	673354.70	708794.42	744234.14	797393.72	832833.45	868273.17	903712.89	939152.61	974592.33	1010032.05	1063191.63	1098631.36	1134071.08	1169510.80	1204950.52
7D+1P	240	248	264	280	296	312	328	344	360	368	384	400	416	432	448	464	480
	620195.12	640868.29	682214.63	723560.97	764907.31	806253.65	847600.00	888946.34	930292.68	950965.85	992312.19	1033658.53	1075004.87	1116351.22	1157697.56	1199043.90	1240390.24
8D+1P	234	252	270	279	315	324	342	360	369	387	405	414	432	450	459	477	
	614288.50	661541.46	708794.42	732420.90	779673.86	826926.83	850553.31	897806.27	945059.23	968685.71	1015938.67	1063191.63	1086818.12	1134071.08	1181324.04	1204950.52	1252203.48
9D+1P	240	250	270	280	300	310	330	340	360	370	390	400	420	430	450	460	480
	637914.98	664494.77	717654.35	744234.14	797393.72	823973.52	877133.10	903712.89	956872.47	983452.26	1036611.84	1063191.63	1116351.22	1142931.01	1196090.59	1222670.38	1275829.96
10D+1P	231	253	264	275	297	308	330	341	352	374	385	396	418	429	440	462	473
	620195.12	679261.32	708794.42	738327.52	797393.72	826926.83	885993.03	915526.13	945059.23	1004125.43	1033658.53	1063191.63	1122257.84	1151790.94	1181324.04	1240390.24	1269923.34
11D+1P	240	252	264	276	300	312	324	336	360	372	384	396	420	432	444	456	480
	649728.22	682214.63	714701.04	747187.45	812160.28	844646.69	877133.10	909619.51	974592.33	1007078.74	1039565.15	1072051.56	1137024.39	1169510.80	1201997.21	1234483.62	1299456.44
12D+1P	234	247	260	273	299	312	325	338	351	364	390	403	416	429	442	455	468
	637914.98	673354.70	708794.42	744234.14	815113.59	850553.31	885993.03	921432.75	956872.47	992312.19	1063191.63	1098631.36	1134071.08	1169510.80	1204950.52	1240390.24	1275829.96
13D+1P	238	252	266	280	294	308	322	336	350	364	378	392	420	434	448	462	476
	652681.53	691074.56	729467.59	767860.62	806253.65	844646.69	883039.72	921432.75	959825.78	998218.81	1036611.84	1075004.87	1151790.94	1190183.97	1228577.00	1266970.03	1305363.06
14D+1P	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480
	661541.46	702887.80	744234.14	785580.48	826926.83	868273.17	909619.51	950965.85	992312.19	1033658.53	1075004.87	1116351.22	1157697.56	1199043.90	1240390.24	1281736.58	1323082.92
15D+1P	240	240	256	272	288	304	320	336	352	368	384	400	416	432	448	464	480
	664494.77	664494.77	708794.42	753094.07	797393.72	841693.38	885993.03	930292.68	974592.33	1018891.98	1063191.63	1107491.29	1151790.94	1196090.59	1240390.24	1284689.89	1328989.54

1: D: data disk, P: parity disk

\*2: It indicates component unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

\*3: It indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKM/RKEM.

\*4: It indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD

# RAID 6 SATA disk drive capacities (2000 GB)

**Table 8-97: RAID 6 SATA Disk Drive Capacities (2,000 GB) 1 of 2**

Drive capacity	1968.52 GB															
Unit	RKS/RKES/RKM/RKEM	RKAK														
Range	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Unit	RKAK/RKAKD (Note2)															
Range	1 (Note2)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Total Range	Min.	15 (max)	30	45	60	75	90	105	120 (max) (Note3)	135	150	165	180	195	210	225
2D+2P (Note 1)	4	12	28	44	60	72	88	104	120	132	148	164	180	192	208	224
	3937.04	11811.12	27559.29	43307.46	59055.63	70866.75	86614.92	102363.09	118111.26	129922.39	145670.56	161418.72	177166.89	188978.02	204726.19	220474.36
3D+2P	5	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
	5905.56	17716.68	35433.37	53150.06	70866.75	88583.44	106300.13	124016.82	141733.51	159450.20	177166.89	194883.58	212600.27	230316.96	248033.65	265750.34
4D+2P	6	12	30	42	60	72	90	102	120	132	150	162	180	192	210	222
	7874.08	15748.16	39370.42	55118.59	78740.84	94489.01	118111.26	133859.43	157481.68	173229.85	196852.10	212600.27	236222.53	251970.69	275592.95	291341.12
5D+2P	7	14	28	42	56	70	84	105	119	133	147	161	175	189	210	224
	9842.60	19685.21	39370.42	59055.63	78740.84	98426.05	118111.26	147639.08	167324.29	187009.50	206694.71	226379.92	246065.13	265750.34	295278.16	314963.37
6D+2P	8	8	24	40	56	72	88	104	120	128	144	160	176	192	208	224
	11811.12	11811.12	35433.37	59055.63	82677.88	106300.13	129922.39	153544.64	177166.89	188978.02	212600.27	236222.53	259844.78	283467.03	307089.28	330711.54
7D+2P	9	9	27	45	54	72	90	99	117	135	144	162	180	189	207	225
	13779.64	13779.64	41338.94	68898.23	82677.88	110237.18	137796.47	151576.12	179135.41	206694.71	220474.36	248033.65	275592.95	289372.59	316931.89	344491.18
8D+2P	10	10	30	40	60	70	90	100	120	130	150	160	180	190	210	220
	15748.16	15748.16	47244.50	62992.67	94489.01	110237.18	141733.51	157481.68	188978.02	204726.19	236222.53	251970.69	283467.03	299215.20	330711.54	346459.71
9D+2P	11	11	22	44	55	66	88	99	110	132	143	165	176	187	209	220
	17716.68	17716.68	35433.37	70866.75	88583.44	106300.13	141733.51	159450.20	177166.89	212600.27	230316.96	265750.34	283467.03	301183.72	336617.10	354333.79
10D+2P	12	12	24	36	60	72	84	96	120	132	144	156	180	192	204	216
	19685.21	19685.21	39370.42	59055.63	98426.05	118111.26	137796.47	157481.68	196852.10	216537.31	236222.53	255907.74	295278.16	314963.37	334648.58	354333.79
11D+2P	13	13	26	39	52	65	78	104	117	130	143	156	169	195	208	221
	21653.73	21653.73	43307.46	64961.19	86614.92	108268.65	129922.39	173229.85	194883.58	216537.31	238191.05	259844.78	281498.51	324805.97	346459.71	368113.44
12D+2P	14	14	28	42	56	70	84	98	112	126	140	154	168	182	210	224
	23622.25	23622.25	47244.50	70866.75	94489.01	118111.26	141733.51	165355.77	188978.02	212600.27	236222.53	259844.78	283467.03	307089.28	354333.79	377956.04
13D+2P	15	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
	25590.77	25590.77	51181.54	76772.32	102363.09	127953.87	153544.64	179135.41	204726.19	230316.96	255907.74	281498.51	307089.28	32680.06	358270.83	383861.61
14D+2P	0	0	16	32	48	64	80	96	112	128	144	160	176	192	208	224
	0.00	0.00	27559.29	55118.59	82677.88	110237.18	137796.47	165355.77	192915.06	220474.36	248033.65	275592.95	303152.24	330711.54	358270.83	385830.13
15D+2P	0	0	17	34	51	68	85	102	119	119	136	153	170	187	204	221
	0.00	0.00	29527.81	59055.63	88583.44	118111.26	147639.08	177166.89	206694.71	206694.71	236222.53	265750.34	295278.16	324805.97	354333.79	383861.61
16D+2P	0	0	18	36	54	72	90	90	108	126	144	162	180	180	198	216
	0.00	0.00	31496.33	62992.67	94489.01	125985.34	157481.68	157481.68	188978.02	220474.36	251970.69	283467.03	314963.37	314963.37	346459.71	377956.04
17D+2P	0	0	19	38	57	76	95	114	133	133	152	171	190	209	209	
	0.00	0.00	33464.85	66929.71	100394.57	100394.57	133859.43	167324.29	200789.15	234254.00	234254.00	267718.86	301183.72	334648.58	368113.44	368113.44
18D+2P	0	0	20	40	60	60	80	100	120	120	140	160	180	180	200	220
	0.00	0.00	35433.37	70866.75	106300.13	106300.13	141733.51	177166.89	212600.27	212600.27	248033.65	283467.03	318900.41	318900.41	354333.79	389767.17
19D+2P	0	0	21	42	42	63	84	105	105	126	147	147	168	189	210	210
	0.00	0.00	37401.90	74803.80	74803.80	112205.70	149607.60	187009.50	187009.50	224411.40	261813.30	261813.30	299215.20	336617.10	374019.00	374019.00
20D+2P	0	0	22	44	44	66	88	88	110	132	132	154	176	176	198	220
	0.00	0.00	39370.42	78740.84	78740.84	118111.26	157481.68	157481.68	196852.10	236222.53	236222.53	275592.95	314963.37	314963.37	354333.79	393704.21
21D+2P	0	0	23	23	46	69	69	92	115	115	138	161	161	184	207	207
	0.00	0.00	41338.94	41338.94	82677.88	124016.82	124016.82	165355.77	206694.71	206694.71	248033.65	289372.59	289372.59	330711.54	372050.48	372050.48
22D+2P	0	0	24	24	48	72	72	96	120	120	144	144	168	192	192	216
	0.00	0.00	43307.46	43307.46	86614.92	129922.39	129922.39	173229.85	216537.31	216537.31	259844.78	259844.78	303152.24	346459.71	346459.71	389767.17
23D+2P	0	0	25	25	50	75	75	100	100	125	150	150	175	175	200	225
	0.00	0.00	45275.98	45275.98	90551.96	135827.95	135827.95	181103.93	181103.93	226379.92	271655.90	271655.90	316931.89	316931.89	362207.87	407483.86
24D+2P	0	0	26	26	52	52	78	104	104	130	130	156	156	182	208	208
	0.00	0.00	47244.50	47244.50	94489.01	94489.01	141733.51	188978.02	188978.02	236222.53	236222.53	283467.03	283467.03	330711.54	377956.04	377956.04

**Table 8-97: RAID 6 SATA Disk Drive Capacities (2,000 GB) 1 of 2 (Continued)**

Drive capacity	1968.52 GB															
25D+2P	0	0	27	27	54	54	81	81	108	135	135	162	162	189	189	216
	0.00	0.00	49213.02	49213.02	98426.05	98426.05	147639.08	147639.08	196852.10	246065.13	246065.13	295278.16	295278.16	344491.18	344491.18	393704.21
26D+2P	0	0	28	28	56	56	84	84	112	112	140	140	168	168	196	224
	0.00	0.00	51181.54	51181.54	102363.09	102363.09	153544.64	153544.64	204726.19	204726.19	255907.74	255907.74	307089.28	307089.28	358270.83	409452.38
27D+2P	0	0	29	29	58	58	87	87	116	116	145	145	174	174	203	203
	0.00	0.00	53150.06	53150.06	106300.13	106300.13	159450.20	159450.20	212600.27	212600.27	265750.34	265750.34	318900.41	318900.41	372050.48	372050.48
28D+2P	0	0	30	30	60	60	90	90	120	120	150	150	180	180	210	210
	0.00	0.00	55118.59	55118.59	110237.18	110237.18	165355.77	165355.77	220474.36	220474.36	275592.95	275592.95	330711.54	330711.54	385830.13	385830.13

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHD/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKS/RKES.

**Table 8-98: RAID 6 SATA Disk Drive Capacities (2,000 GB) 2 of 2**

Drive capacity	1968.52 GB																
Unit	RKAK																
Range	15																
Unit	RKAK/RKAKD (Note2)																
Range	16 (Note2)	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range	240 (max) (Note3)	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (max) (Note4)
2D+2P (Note 1)	240	252	268	284	300	312	328	344	360	372	388	404	420	432	448	464	480
	236222.53	248033.65	263781.82	279529.99	295278.16	307089.28	322837.45	338585.62	354333.79	366144.92	381893.09	397641.25	413389.42	425200.55	440948.72	456696.89	472445.06
3D+2P	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480
	283467.03	301183.72	318900.41	336617.10	354333.79	372050.48	389767.17	407483.86	425200.55	442917.24	460633.93	478350.62	496067.31	513784.00	531500.69	549217.38	566934.07
4D+2P	240	252	270	282	300	312	330	342	360	372	390	402	420	432	450	462	480
	314963.37	330711.54	354333.79	370081.96	393704.21	409452.38	433074.63	448822.80	472445.06	488193.22	511815.48	527563.65	551185.90	566934.07	590556.32	606304.49	629926.74
5D+2P	238	252	266	280	294	315	329	343	357	371	385	399	420	434	448	462	476
	334648.58	354333.79	374019.00	393704.21	413389.42	442917.24	462602.45	482287.66	501972.87	521658.08	541343.29	561028.50	590556.32	610241.53	629926.74	649611.95	669297.16
6D+2P	240	248	264	280	296	312	328	344	360	368	384	400	416	432	448	464	480
	354333.79	366144.92	389767.17	413389.42	437011.68	460633.93	484256.18	507878.43	531500.69	543311.81	566934.07	590556.32	614178.57	637800.83	661423.08	685045.33	708667.59
7D+2P	234	252	270	279	297	315	324	342	360	369	387	405	414	432	450	459	477
	358270.83	385830.13	413389.42	427169.07	454728.37	482287.66	496067.31	523626.60	551185.90	564965.55	592524.84	620084.14	633863.78	661423.08	688982.37	702762.02	730321.32
8D+2P	240	250	270	280	300	310	330	340	360	370	390	400	420	430	450	460	480
	377956.04	393704.21	425200.55	440948.72	472445.06	488193.22	519689.56	535437.73	566934.07	582682.24	614178.57	629926.74	661423.08	677171.25	708667.59	724415.75	755912.09
9D+2P	231	253	264	275	297	308	330	341	352	374	385	396	418	429	440	462	473
	372050.48	407483.86	425200.55	442917.24	478350.62	496067.31	531500.69	549217.38	566934.07	602367.45	620084.14	637800.83	673234.21	690950.90	708667.59	744100.97	761817.65
10D+2P	240	252	264	276	300	312	324	336	360	372	384	400	420	432	444	456	480
	393704.21	413389.42	433074.63	452759.84	492130.27	511815.48	531500.69	551185.90	590556.32	610241.53	629926.74	649611.95	688982.37	708667.59	728352.80	748038.01	787408.43
11D+2P	234	247	260	273	299	312	325	338	351	364	390	403	416	429	442	455	468
	389767.17	411420.90	433074.63	454728.37	498035.83	519689.56	541343.29	562997.03	584650.76	606304.49	649611.95	671265.68	692919.42	714573.15	736226.88	757880.61	779534.34
12D+2P	238	252	266	280	294	308	322	336	350	364	378	392	420	434	448	462	476
	401578.30	425200.55	448822.80	472445.06	496067.31	519689.56	543311.81	566934.07	590556.32	614178.57	637800.83	661423.08	708667.59	732289.84	755912.09	779534.34	803156.60
13D+2P	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480
	409452.38	435043.15	460633.93	486224.70	511815.48	537406.25	562997.03	588587.80	614178.57	639769.35	665360.12	690950.90	716541.67	742132.44	767723.22	793313.99	818904.77
14D+2P	240	240	256	272	288	304	320	336	352	368	384	400	416	432	448	464	480
	413389.42	413389.42	440948.72	468508.01	496067.31	523626.60	551185.90	578745.19	606304.49	633863.78	661423.08	688982.37	716541.67	744100.97	771660.26	799219.56	826778.85
15D+2P	238	255	255	272	289	306	323	340	357	374	374	391	408	425	442	459	476
	413389.42	442917.24	442917.24	472445.06	501972.87	531500.69	561028.50	590556.32	620084.14	649611.95	649611.95	679139.77	708667.59	738195.40	767723.22	797251.03	826778.85
16D+2P	234	252	270	270	288	306	324	342	360	360	378	396	414	432	450	450	468
	409452.38	440948.72	472445.06	472445.06	503941.39	535437.73	566934.07	598430.40	629926.74	629926.74	661423.08	692919.42	724415.75	755912.09	787408.43	787408.43	818904.77

**Table 8-98: RAID 6 SATA Disk Drive Capacities (2,000 GB) 2 of 2 (Continued)**

Drive capacity	1968.52 GB																
17D+2P	228	247	266	285	285	304	323	342	342	361	380	399	418	418	437	456	475
	401578.30	435043.15	468508.01	501972.87	501972.87	535437.73	568902.59	602367.45	602367.45	635832.31	669297.16	702762.02	736226.88	736226.88	769691.74	803156.60	836621.46
18D+2P	240	240	260	280	300	300	320	340	360	360	380	400	420	420	440	460	480
	425200.55	425200.55	460633.93	496067.31	531500.69	531500.69	566934.07	602367.45	637800.83	637800.83	673234.21	708667.59	744100.97	744100.97	779534.34	814967.72	850401.10
19D+2P	231	252	252	273	294	315	315	336	357	357	378	399	420	420	441	462	462
	411420.90	448822.80	448822.80	486224.70	523626.60	561028.50	561028.50	598430.40	635832.31	635832.31	673234.21	710636.11	748038.01	748038.01	785439.91	822841.81	822841.81
20D+2P	220	242	264	264	286	308	330	330	352	374	374	396	418	418	440	462	462
	393704.21	433074.63	472445.06	472445.06	511815.48	551185.90	590556.32	590556.32	629926.74	669297.16	669297.16	708667.59	748038.01	748038.01	787408.43	826778.85	826778.85
21D+2P	230	253	253	276	299	299	322	345	345	368	368	391	414	414	437	460	460
	413389.42	454728.37	454728.37	496067.31	537406.25	537406.25	578745.19	620084.14	620084.14	661423.08	661423.08	702762.02	744100.97	744100.97	785439.91	826778.85	826778.85
22D+2P	240	240	264	264	288	312	312	336	360	360	384	384	408	432	432	456	480
	433074.63	433074.63	476382.10	476382.10	519689.56	562997.03	562997.03	606304.49	649611.95	649611.95	692919.42	692919.42	736226.88	779534.34	779534.34	822841.81	866149.27
23D+2P	225	250	250	275	300	300	325	325	350	375	375	400	400	425	450	450	475
	407483.86	452759.84	452759.84	498035.83	543311.81	543311.81	588587.80	588587.80	633863.78	679139.77	679139.77	724415.75	724415.75	769691.74	814967.72	814967.72	860243.71
24D+2P	234	234	260	260	286	312	312	338	338	364	390	390	416	416	442	442	468
	425200.55	425200.55	472445.06	472445.06	519689.56	566934.07	566934.07	614178.57	614178.57	661423.08	708667.59	708667.59	755912.09	755912.09	803156.60	803156.60	850401.10
25D+2P	216	243	270	270	297	297	324	324	351	351	378	405	405	432	432	459	459
	393704.21	442917.24	492130.27	492130.27	541343.29	541343.29	590556.32	590556.32	639769.35	639769.35	688982.37	738195.40	738195.40	787408.43	787408.43	836621.46	836621.46
26D+2P	224	252	252	280	280	308	308	336	336	364	364	392	420	420	448	448	476
	409452.38	460633.93	460633.93	511815.48	511815.48	562997.03	562997.03	614178.57	614178.57	665360.12	665360.12	716541.67	767723.22	767723.22	818904.77	818904.77	870086.31
27D+2P	232	232	261	261	290	290	319	319	348	348	377	377	406	435	435	464	464
	425200.55	425200.55	478350.62	478350.62	531500.69	531500.69	584650.76	584650.76	637800.83	637800.83	690950.90	690950.90	744100.97	797251.03	797251.03	850401.10	850401.10
28D+2P	240	240	270	270	300	300	330	330	360	360	390	390	420	420	450	450	480
	440948.72	440948.72	496067.31	496067.31	551185.90	551185.90	606304.49	606304.49	661423.08	661423.08	716541.67	716541.67	771660.26	771660.26	826778.85	826778.85	881897.44

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKM/RKEM.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

# RAID 6 SATA disk drive capacities (3, 000 GB)

Table 8-99: RAID 6 SATA disk drive capacities (3,000 GB) 1 of 2

Disk capacity	2953.31 G bytes															
Unit	RKS/RKES/RKM/RKEM		RKAK													
Range	1		1	2	3	4	5	6	7	8	9	10	11	12	13	14
Units	RKAK/RKAKD (*2/															
Range	1(*2)		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Total range of Disk drives	Min.	15 (Max)	30	45	60	75	90	105	120 (Max) (*3)	135	150	165	180	195	210	225
2D+2P ('1)	4 5906.62	12 17719.86	28 41346.34	44 64972.82	60 88599.30	72 106319.16	88 129945.64	104 153572.12	120 177198.60	132 194918.46	148 218544.94	164 242171.42	180 265797.90	192 283517.77	208 307144.25	224 330770.73
3D+2P	5 8859.93	15 26579.79	30 53159.58	45 79739.37	60 106319.16	75 132898.95	90 159478.74	105 186058.53	120 212638.32	135 239218.11	150 265797.90	165 292377.70	180 318957.49	195 345537.28	210 372117.07	225 398696.86
4D+2P	6 11813.24	12 23626.48	30 59066.20	42 82692.68	60 118132.40	72 141758.88	90 177198.60	102 200825.08	120 236264.80	132 259891.28	150 295331.01	162 318957.49	180 354397.21	192 378023.69	210 413463.41	222 437089.89
5D+2P	7 14766.55	14 29533.10	28 59066.20	42 88599.30	56 118132.40	70 147665.50	84 177198.60	105 221498.25	119 251031.35	133 280564.46	147 310097.56	161 339630.66	175 369163.76	189 398696.86	210 442996.51	224 472529.61
6D+2P	8 17719.86	8 17719.86	24 53159.58	40 88599.30	56 124039.02	72 159478.74	88 194918.46	104 230358.18	120 265797.90	128 283517.77	144 318957.49	160 354397.21	176 389836.93	192 425276.65	208 460716.37	224 496156.09
7D+2P	9 20673.17	9 20673.17	27 62019.51	45 103365.85	54 124039.02	72 165385.36	90 206731.70	99 227404.87	117 268751.21	135 310097.56	144 330770.73	162 372117.07	180 413463.41	189 434136.58	207 475482.92	225 516829.26
8D+2P	10 23626.48	10 23626.48	30 70879.44	40 94505.92	60 141758.88	70 165385.36	90 212638.32	100 236264.80	120 283517.77	130 307144.25	150 354397.21	160 378023.69	180 425276.65	190 448903.13	210 496156.09	220 519782.57
9D+2P	11 26579.79	11 26579.79	22 53159.58	44 106319.16	55 132898.95	66 159478.74	88 212638.32	99 239218.11	110 265797.90	132 318957.49	143 345537.28	165 398696.86	176 425276.65	187 451856.44	209 505016.02	220 531595.81
10D+2P	12 29533.10	12 29533.10	24 59066.20	36 88599.30	60 147665.50	72 177198.60	84 206731.70	96 236264.80	120 295331.01	132 324864.11	144 354397.21	156 383930.31	180 442996.51	192 472529.61	204 502062.71	216 531595.81
11D+2P	13 32486.41	13 32486.41	26 64972.82	39 97459.23	52 129945.64	65 162432.05	78 194918.46	104 259891.28	117 292377.70	130 324864.11	143 357350.52	156 389836.93	169 422323.34	195 487296.16	208 519782.57	221 552268.99
12D+2P	14 35439.72	14 35439.72	28 70879.44	42 106319.16	56 141758.88	70 177198.60	84 212638.32	98 248078.04	112 283517.77	126 318957.49	140 354397.21	154 389836.93	168 425276.65	182 460716.37	210 531595.81	224 567035.54
13D+2P	15 38393.03	15 38393.03	30 76786.06	45 115179.09	60 153572.12	75 191965.15	90 230358.18	105 268751.21	120 307144.25	135 345537.28	150 383930.31	165 422323.34	180 460716.37	195 499109.40	210 537502.43	225 575895.47
14D+2P	0 0.00	0 0.00	16 41346.34	32 82692.68	48 124039.02	64 165385.36	80 206731.70	96 248078.04	112 289424.39	128 330770.73	144 372117.07	160 413463.41	176 454809.75	192 496156.09	208 537502.43	224 578848.78
15D+2P	0 0.00	0 0.00	17 44299.65	34 88599.30	51 132898.95	68 177198.60	85 221498.25	102 265797.90	119 310097.56	136 354397.21	153 398696.86	170 442996.51	187 487296.16	204 531595.81	221 575895.47	
16D+2P	0 0.00	0 0.00	18 47252.96	36 94505.92	54 141758.88	72 189011.84	90 236264.80	108 283517.77	126 330770.73	144 378023.69	162 425276.65	180 472529.61	198 472529.61	216 519782.57	225 567035.54	
17D+2P	0 0.00	0 0.00	19 50206.27	38 100412.54	57 150618.81	76 191965.15	95 248078.04	114 289424.39	133 351443.90	152 392790.24	171 441650.17	190 487296.16	209 520262.71	225 552268.99	225 552268.99	
18D+2P	0 0.00	0 0.00	20 53159.58	40 106319.16	60 159478.74	80 212638.32	100 265797.90	120 318957.49	140 372117.07	160 425276.65	180 478436.23	200 478436.23	220 531595.81	220 531595.81	220 584755.40	
19D+2P	0 0.00	0 0.00	21 56112.89	42 112225.78	63 153572.12	84 191965.15	105 24451.56	126 280564.46	147 336677.35	168 392790.24	189 448903.13	210 505016.02	225 561128.92	225 561128.92	225 561128.92	
20D+2P	0 0.00	0 0.00	22 59066.20	44 118132.40	66 177198.60	88 236264.80	110 295331.01	132 354397.21	153 392790.24	174 448903.13	195 496156.09	216 531595.81	225 590662.02	225 590662.02	225 590662.02	
21D+2P	0 0.00	0 0.00	23 62019.51	46 124039.02	69 186058.53	92 248078.04	115 310097.56	138 372117.07	161 434136.58	184 496156.09	207 558175.61	220 558175.61	220 558175.61	220 558175.61	220 558175.61	
22D+2P	0 0.00	0 0.00	24 64972.82	48 129945.64	72 194918.46	96 259891.28	120 324864.11	144 389836.93	168 454809.75	192 519782.57	216 591782.57	225 591782.57	225 591782.57	225 591782.57	225 591782.57	
23D+2P	0 0.00	0 0.00	25 67926.13	50 135852.26	75 203778.39	100 271704.53	125 339630.66	150 407556.79	175 475482.92	200 543409.06	225 611335.19	225 611335.19	225 611335.19	225 611335.19	225 611335.19	
24D+2P	0 0.00	0 0.00	26 70879.44	52 141758.88	78 212638.32	104 283517.77	130 354397.21	156 425276.65	182 496156.09	208 567035.54	225 611335.19	225 611335.19	225 611335.19	225 611335.19	225 611335.19	

**Table 8-99: RAID 6 SATA disk drive capacities (3,000 GB) 1 of 2**

Disk capacity	2953.31 G bytes															
25D+2P	0	0	27	27	54	54	81	81	108	135	135	162	162	189	189	216
	0.00	0.00	73832.75	73832.75	147665.50	147665.50	221498.25	221498.25	295331.01	369163.76	369163.76	442996.51	442996.51	516829.26	516829.26	590662.02
26D+2P	0	0	28	28	56	56	84	84	112	112	140	140	168	168	196	224
	0.00	0.00	76786.06	76786.06	153572.12	153572.12	230358.18	230358.18	307144.25	307144.25	383930.31	383930.31	460716.37	460716.37	537502.43	614288.50
27D+2P	0	0	29	29	58	58	87	87	116	116	145	145	174	174	203	203
	0.00	0.00	79739.37	79739.37	159478.74	159478.74	239218.11	239218.11	318957.49	318957.49	398696.86	398696.86	478436.23	478436.23	558175.61	558175.61
28D+2P	0	0	30	30	60	60	90	90	120	120	150	150	180	180	210	210
	0.00	0.00	82692.68	82692.68	165385.36	165385.36	248078.04	248078.04	330770.73	330770.73	413463.41	413463.41	496156.09	496156.09	578848.78	578848.78

1: D: data disk, P: parity disk

\*2: It indicates component unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

\*3: It indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKS/RKES

**Table 8-100: RAID 6 SATA disk drive capacities (3,000 GB) 2 of 2**

Disk capacity	2953.31 G bytes																
Unitt	RKAK																
Range	15																
Unitt	RKAK/ RKAKD (*2)																
Range	16 (*2)	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total range of Disk drives	240 (Max) (*3)	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (Max) (*4)
2D+2P (*1)	240	240	252	268	284	300	312	328	344	360	372	388	404	420	432	448	464
	236222.53	354397.21	372117.07	395743.55	419370.03	442996.51	460716.37	484342.85	507969.33	531595.81	549315.68	572942.16	596568.64	620195.12	637914.98	661541.46	685167.94
3D+2P	240	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465
	283467.03	425276.65	451856.44	478436.23	505016.02	531595.81	558175.61	584755.40	611335.19	637914.98	664494.77	691074.56	717654.35	744234.14	770813.93	797393.72	823973.52
4D+2P	240	240	252	270	282	300	312	330	342	360	372	390	402	420	432	450	462
	314963.37	472529.61	496156.09	531595.81	555222.30	590662.02	614288.50	649728.22	673354.70	708794.42	732420.90	767860.62	791487.10	826926.83	850553.31	885993.03	909619.51
5D+2P	238	238	252	266	280	294	315	329	343	357	371	385	399	420	434	448	462
	334648.58	502062.71	531595.81	561128.92	590662.02	620195.12	664494.77	694027.87	723560.97	753094.07	782627.17	812160.28	841693.38	885993.03	915526.13	945059.23	974592.33
6D+2P	240	240	248	264	280	296	312	328	344	360	368	384	400	416	432	448	464
	354333.79	531595.81	549315.68	584755.40	620195.12	655634.84	691074.56	726514.28	761954.00	797393.72	815113.59	850553.31	885993.03	921432.75	956872.47	992312.19	1027751.91
7D+2P	234	234	252	270	279	297	315	324	342	360	369	387	405	414	432	450	459
	358270.83	537502.43	578848.78	620195.12	640868.29	682214.63	723560.97	744234.14	785580.48	826926.83	847600.00	888946.34	930292.68	950965.85	992312.19	1033658.53	1054331.70
8D+2P	240	240	250	270	280	300	310	330	340	360	370	390	400	420	430	450	460
	377956.04	567035.54	590662.02	637914.98	661541.46	708794.42	732420.90	779673.86	803300.34	850553.31	874179.79	921432.75	945059.23	992312.19	1015938.67	1063191.63	1086818.12
9D+2P	231	231	253	264	275	297	308	330	341	352	374	385	396	418	429	440	462
	372050.48	558175.61	611335.19	637914.98	664494.77	717654.35	744234.14	797393.72	823973.52	850553.31	903712.89	930292.68	956872.47	1010032.05	1036611.84	1063191.63	1116351.22
10D+2P	240	240	252	264	276	300	312	324	336	360	372	384	396	420	432	444	456
	393704.21	590662.02	620195.12	649728.22	679261.32	738327.52	767860.62	797393.72	826926.83	885993.03	915526.13	945059.23	974592.33	1033658.53	1063191.63	1092724.74	1122257.84
11D+2P	234	234	247	260	273	299	312	325	338	351	364	390	403	416	429	442	455
	389767.17	584755.40	617241.81	649728.22	682214.63	747187.45	779673.86	812160.28	844646.69	877133.10	909619.51	974592.33	1007078.74	1039565.15	1072051.56	1104537.98	1137024.39
12D+2P	238	238	252	266	280	294	308	322	336	350	364	378	392	420	434	448	462
	401578.30	602475.26	637914.98	673354.70	708794.42	744234.14	779673.86	815113.59	850553.31	885993.03	921432.75	956872.47	992312.19	1063191.63	1098631.36	1134071.08	1169510.80
13D+2P	240	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465
	409452.38	614288.50	652681.53	691074.56	729467.59	767860.62	806253.65	844646.69	883039.72	921432.75	959825.78	998218.81	1036611.84	1075004.87	1113397.91	1151790.94	1190183.97
14D+2P	240	240	240	256	272	288	304	320	336	352	368	384	400	416	432	448	464
	413389.42	620195.12	620195.12	661541.46	702887.80	744234.14	785580.48	826926.83	868273.17	909619.51	950965.85	992312.19	1033658.53	1075004.87	1116351.22	1157697.56	1199043.90
15D+2P	238	238	255	255	272	289	306	323	340	357	374	374	391	408	425	442	459
	413389.42	620195.12	664494.77	664494.77	708794.42	753094.07	797393.72	841693.38	885993.03	930292.68	974592.33	974592.33	1018891.98	1063191.63	1107491.29	1151790.94	1196090.59
16D+2P	234	234	252	270	288	306	324	342	360	360	378	396	414	432	450	450	450
	409452.38	614288.50	661541.46	708794.42	708794.42	756047.38	803300.34	850553.31	897806.27	945059.23	945059.23	992312.19	1039565.15	1086818.12	1134071.08	1181324.04	1181324.04

**Table 8-100: RAID 6 SATA disk drive capacities (3,000 GB) 2 of 2**

Disk capacity	2953.31 G bytes																
17D+2P	228	228	247	266	285	285	304	323	342	342	361	380	399	418	418	437	456
	401578.30	602475.26	652681.53	702887.80	753094.07	753094.07	803300.34	853506.62	903712.89	903712.89	953919.16	1004125.43	1054331.70	1104537.98	1104537.98	1154744.25	1204950.52
18D+2P	240	240	240	260	280	300	300	320	340	360	360	380	400	420	420	440	460
	425200.55	637914.98	637914.98	691074.56	744234.14	797393.72	797393.72	850553.31	903712.89	956872.47	956872.47	1010032.05	1063191.63	1116351.22	1116351.22	1169510.80	1222670.38
19D+2P	231	231	252	252	273	294	315	315	336	357	357	378	399	420	420	441	462
	411420.90	617241.81	673354.70	673354.70	729467.59	785580.48	841693.38	841693.38	897806.27	953919.16	953919.16	1010032.05	1066144.94	1122257.84	1122257.84	1178370.73	1234483.62
20D+2P	220	220	242	264	264	286	308	330	330	352	374	374	396	418	418	440	462
	393704.21	590662.02	649728.22	708794.42	708794.42	767860.62	826926.83	885993.03	885993.03	945059.23	1004125.43	1004125.43	1063191.63	1122257.84	1122257.84	1181324.04	1240390.24
21D+2P	230	230	253	253	276	299	299	322	345	345	368	368	391	414	414	437	460
	413389.42	620195.12	682214.63	682214.63	744234.14	806253.65	806253.65	868273.17	930292.68	930292.68	992312.19	992312.19	1054331.70	1116351.22	1116351.22	1178370.73	1240390.24
22D+2P	240	240	240	264	264	288	312	312	336	360	360	384	384	408	432	432	456
	433074.63	649728.22	649728.22	714701.04	714701.04	779673.86	844646.69	844646.69	909619.51	974592.33	974592.33	1039565.15	1039565.15	1104537.98	1169510.80	1169510.80	1234483.62
23D+2P	225	225	250	250	275	300	300	325	325	350	375	375	400	400	425	450	450
	407483.86	611335.19	679261.32	679261.32	747187.45	815113.59	815113.59	883039.72	883039.72	950965.85	1018891.98	1018891.98	1086818.12	1086818.12	1154744.25	1222670.38	1222670.38
24D+2P	234	234	234	260	260	286	312	312	338	338	364	390	390	416	416	442	442
	425200.55	637914.98	637914.98	708794.42	708794.42	779673.86	850553.31	850553.31	921432.75	921432.75	992312.19	1063191.63	1063191.63	1134071.08	1134071.08	1204950.52	1204950.52
25D+2P	216	216	243	270	270	297	297	324	324	351	351	378	405	405	432	432	459
	393704.21	590662.02	664494.77	738327.52	738327.52	812160.28	812160.28	885993.03	885993.03	959825.78	959825.78	1033658.53	1107491.29	1107491.29	1181324.04	1181324.04	1255156.79
26D+2P	224	224	252	252	280	280	308	308	336	336	364	364	392	420	420	448	448
	409452.38	614288.50	691074.56	691074.56	767860.62	767860.62	844646.69	844646.69	921432.75	921432.75	998218.81	998218.81	1075004.87	1151790.94	1151790.94	1228577.00	1228577.00
27D+2P	232	232	232	261	261	290	290	319	319	348	348	377	377	406	435	435	464
	425200.55	637914.98	637914.98	717654.35	717654.35	797393.72	797393.72	877133.10	877133.10	956872.47	956872.47	1036611.84	1036611.84	1116351.22	1196090.59	1196090.59	1275829.96
28D+2P	240	240	240	270	270	300	300	330	330	360	360	390	390	420	420	450	450
	440948.72	661541.46	661541.46	744234.14	744234.14	826926.83	826926.83	909619.51	909619.51	992312.19	992312.19	1075004.87	1075004.87	1157697.56	1157697.56	1240390.24	1240390.24

- \* 1: D: data disk, P: parity disk
- \* 2: It indicates component unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.
- \* 3: It indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKM/RKEM.
- \* 4: It indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

## RAID 1+0 SATA disk drive capacities (2,000 GB)

Table 8-101: RAID 1+0 SATA Disk Drive Capacities (2,000 GB) 1 of 2

Drive capacity	1968.52 GB															
Unit	RKS/RKES/RKM/RKEM	RKAK														
Range	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Unit	RKAK/RKAKD (Note2)															
Range	1 (Note2)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Total Range	Min.	15 (max)	30	45	60	75	90	105	120 (max) (Note3)	135	150	165	180	195	210	225
2D+2D (Note 1)	4	12	28	44	60	72	88	104	120	132	148	164	180	192	208	224
	3937.04	11811.12	27559.29	43307.46	59055.63	70866.75	86614.92	102363.09	118111.26	129922.39	145670.56	161418.72	177166.89	188978.02	204726.19	220474.36
3D+3D	6	12	30	42	60	72	90	102	120	132	150	162	180	192	210	222
	5905.56	11811.12	29527.81	41338.94	59055.63	70866.75	88583.44	100394.57	118111.26	129922.39	147639.08	159450.20	177166.89	188978.02	206694.71	218505.84
4D+4D	8	8	24	40	56	72	88	104	120	128	144	160	176	192	208	224
	7874.08	7874.08	23622.25	39370.42	55118.59	70866.75	86614.92	102363.09	118111.26	125985.34	141733.51	157481.68	173229.85	188978.02	204726.19	220474.36
5D+5D	10	10	30	40	60	70	90	100	120	130	150	160	180	190	210	220
	9842.60	9842.60	29527.81	39370.42	59055.63	68898.23	88583.44	98426.05	118111.26	127953.87	147639.08	157481.68	177166.89	187009.50	206694.71	216537.31
6D+6D	12	12	24	36	60	72	84	96	120	132	144	156	180	192	204	216
	11811.12	11811.12	23622.25	35433.37	59055.63	70866.75	82677.88	94489.01	118111.26	129922.39	141733.51	153544.64	177166.89	188978.02	200789.15	212600.27
7D+7D	14	14	28	42	56	70	84	98	112	126	140	154	168	182	210	224
	13779.64	13779.64	27559.29	41338.94	55118.59	68898.23	82677.88	96457.53	110237.18	124016.82	137796.47	151576.12	165355.77	179135.41	206694.71	220474.36
8D+8D	0	0	16	32	48	64	80	96	112	128	144	160	176	192	208	224
	0.00	0.00	15748.16	31496.33	47244.50	62992.67	78740.84	94489.01	110237.18	125985.34	141733.51	157481.68	173229.85	188978.02	204726.19	220474.36

**Table 8-102: RAID 1+0 SATA Disk Drive Capacities (2,000 GB) 2 of 2**

Drive capacity	1968.52 GB																
Unit	RKAK																
Range	15																
Unit	RKAK/RKAKD (Note2)																
Range	16 (Note2)	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total Range	240 (max) (Note4)	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (max) (Note5)
2D+2D (Note 1)	240	252	268	284	300	312	328	344	360	372	388	404	420	432	448	464	480
	236222.53	248033.65	263781.82	279529.99	295278.16	307089.28	322837.45	338585.62	354333.79	366144.92	381893.09	397641.25	413389.42	425200.55	440948.72	456696.89	472445.06
3D+3D	240	252	270	282	300	312	330	342	360	372	390	402	420	432	450	462	480
	236222.53	248033.65	265750.34	277561.47	295278.16	307089.28	324805.97	336617.10	354333.79	366144.92	383861.61	395672.73	413389.42	425200.55	442917.24	454728.37	472445.06
4D+4D	240	248	264	280	296	312	328	344	360	368	384	400	416	432	448	464	480
	236222.53	244096.61	259844.78	275592.95	291341.12	307089.28	322837.45	338585.62	354333.79	362207.87	377956.04	393704.21	409452.38	425200.55	440948.72	456696.89	472445.06
5D+5D	240	250	270	280	300	310	330	340	360	370	390	400	420	430	450	460	480
	236222.53	246065.13	265750.34	275592.95	295278.16	305120.76	324805.97	334648.58	354333.79	364176.40	383861.61	393704.21	413389.42	423232.03	442917.24	452759.84	472445.06
6D+6D	240	252	264	276	300	312	324	336	360	372	384	396	420	432	444	456	480
	236222.53	248033.65	259844.78	271655.90	295278.16	307089.28	318900.41	330711.54	354333.79	366144.92	377956.04	389767.17	413389.42	425200.55	437011.68	448822.80	472445.06
7D+7D	238	252	266	280	294	308	322	336	350	364	378	392	420	434	448	462	476
	234254.00	248033.65	261813.30	275592.95	289372.59	303152.24	316931.89	330711.54	344491.18	358270.83	372050.48	385830.13	413389.42	427169.07	440948.72	454728.37	468508.01
8D+8D	240	240	256	272	288	304	320	336	352	368	384	400	416	432	448	464	480
	236222.53	236222.53	251970.69	267718.86	283467.03	299215.20	314963.37	330711.54	346459.71	362207.87	377956.04	393704.21	409452.38	425200.55	440948.72	456696.89	472445.06

**Note 1:** D: data disk.

**Note 2:** Indicates component unit and range when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKS/RKES.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKM/RKEM.

**Note 5:** Indicates the total range of disk drives in the maximum configuration when RKAKs are connected to a RKH/RKHE/RKEH or RKAKDs are connected to a RKHED/RKEHD.

# RAID 1+0 SATA disk drive capacities (3,000 GB)

**Table 8-103: RAID 1+0 SATA disk drive capacities (3,000 GB)**

Disk capacity		2953.31 G bytes														
unit	RKS/RKES/RKM/RKEM	RKAK														
Range	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Unit	RKAK/RKAKD (*2)															
Range	1(*2)		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Total range of Disk drives	Min.	15 (Max)	30	45	60	75	90	105	120 (Max) (*3)	135	150	165	180	195	210	225
	2D+2D (*1)	4	12	28	44	60	72	88	104	120	132	148	164	180	192	208
	5906.62	17719.86	41346.34	64972.82	88599.30	106319.16	129945.64	153572.12	177198.60	194918.46	218544.94	242171.42	265797.90	283517.77	307144.25	330770.73
3D+3D	6	12	30	42	60	72	90	102	120	132	150	162	180	192	210	222
	8859.93	17719.86	44299.65	62019.51	88599.30	106319.16	132898.95	150618.81	177198.60	194918.46	221498.25	239218.11	265797.90	283517.77	310097.56	327817.42
4D+4D	8	8	24	40	56	72	88	104	120	128	144	160	176	192	208	224
	11813.24	11813.24	35439.72	59066.20	82692.68	106319.16	129945.64	153572.12	177198.60	189011.84	212638.32	236264.80	259891.28	283517.77	307144.25	330770.73
5D+5D	10	10	30	40	60	70	90	100	120	130	150	160	180	190	210	220
	14766.55	14766.55	44299.65	59066.20	88599.30	103365.85	132898.95	147665.50	177198.60	191965.15	221498.25	236264.80	265797.90	280564.46	310097.56	324864.11
6D+6D	12	12	24	36	60	72	84	96	120	132	144	156	180	192	204	216
	17719.86	17719.86	35439.72	53159.58	88599.30	106319.16	124039.02	141758.88	177198.60	194918.46	212638.32	230358.18	265797.90	283517.77	301237.63	318957.49
7D+7D	14	14	28	42	56	70	84	98	112	126	140	154	168	182	210	224
	20673.17	20673.17	41346.34	62019.51	82692.68	103365.85	124039.02	144712.19	165385.36	186058.53	206731.70	227404.87	248078.04	268751.21	310097.56	330770.73
8D+8D	0	0	16	32	48	64	80	96	112	128	144	160	176	192	208	224
	0.00	0.00	23626.48	47252.96	70879.44	94505.92	118132.40	141758.88	165385.36	189011.84	212638.32	236264.80	259891.28	283517.77	307144.25	330770.73

**Table 8-104: RAID 1+0 SATA disk drive capacities (3,000 GB) Continued**

Disk capacity		2953.31 G bytes															
Unit	RKAK																
Range	15																
Unit	RKAK/RKAKD (*2)																
Range	16(*2)	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Total range of Disk drives	240 (Max)	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480 (Max) (*5)
	(Max)																
2D+2D (*1)	240	252	268	284	300	312	328	344	360	372	388	404	420	432	448	464	480
	354397.21	372117.07	395743.55	419370.03	442996.51	460716.37	484342.85	507969.33	531595.81	549315.68	572942.16	596568.64	620195.12	637914.98	661541.46	685167.94	708794.42
3D+3D	240	252	270	282	300	312	330	342	360	372	390	402	420	432	450	462	480
	354397.21	372117.07	398696.86	416416.72	442996.51	460716.37	487296.16	505016.02	531595.81	549315.68	575895.47	593615.33	620195.12	637914.98	664494.77	682214.63	708794.42
4D+4D	240	248	264	280	296	312	328	344	360	368	384	400	416	432	448	464	480
	354397.21	366210.45	389836.93	413463.41	437089.89	460716.37	484342.85	507969.33	531595.81	543409.06	567035.54	590662.02	614288.50	637914.98	661541.46	685167.94	708794.42
5D+5D	240	250	270	280	300	310	330	340	360	370	390	400	420	430	450	460	480
	354397.21	369163.76	398696.86	413463.41	442996.51	457763.06	487296.16	502062.71	531595.81	546362.37	575895.47	590662.02	620195.12	634961.67	664494.77	679261.32	708794.42
6D+6D	240	252	264	276	300	312	324	336	360	372	384	396	420	432	444	456	480
	354397.21	372117.07	389836.93	407556.79	442996.51	460716.37	478436.23	496156.09	531595.81	549315.68	567035.54	584755.40	620195.12	637914.98	655634.84	673354.70	708794.42
7D+7D	238	252	266	280	294	308	322	336	350	364	378	392	420	434	448	462	476
	351443.90	372117.07	392790.24	413463.41	434136.58	454809.75	475482.92	496156.09	516829.26	537502.43	558175.61	578848.78	620195.12	640868.29	661541.46	682214.63	702887.80
8D+8D	240	240	256	272	288	304	320	336	352	368	384	400	416	432	448	464	480
	354397.21	354397.21	378023.69	401650.17	425276.65	448903.13	472529.61	496156.09	519782.57	543409.06	567035.54	590662.02	614288.50	637914.98	661541.46	685167.94	708794.42

- \*1: D: data disk
- \*2: It indicates component unit and range when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.
- \*3: It indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKS/RKES.
- \*4: It indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKM/RKEM.
- \*5: It indicates the total range of disk drives in the maximum configuration when RKAKs are connected to the RKH/RKHE/RKEH or RKAKDs are connected to the RKHED/RKEHD.

# RAID capacities - AMS 2100/2300 base unit and high-density expansion unit

## RAID 1 SATA disk drive capacities (1,000 GB)

Table 8-105: RAID 1 SATA Disk Drive Capacities (1,000 GB)

Disk Capacity	983.69 GB						
Unit	RKS/RKM		RKAKX				
Range	1		1	2	3	4	5
Total Range of Disk drives	Min.	15 (Max)	63	111	159 (Max) (Note2)	207 (Max) (Note3)	255 (Max) (Note4)
1D+1D (Note1)	2 983.69	14 6885.88	62 30494.65	110 54103.41	158 77712.18	206 101320.94	254 124929.71

**Note 1:** D: data disk.

**Note 2:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKS/RKES.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKM/RKEM.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKEM.

## RAID 5 SATA disk drive capacities (1,000 GB)

**Table 8-106: RAID 5 SATA disk drive capacities (1,000 GB)**

Disk Capacity	983.69 GB						
Disk capacity	983.69 G bytes						
Unit	RKS/RKM		RKAKX				
Range	1		1	2	3	4	5
Total Range of Disk drives	Min.	15 (Max)	63	111	159 (Max)(Note2)	207 (Max)(Note3)	255 (Max)(Note4)
2D+1P (Note1)	3 1967.39	15 9836.98	63 41315.33	111 72793.68	159 104272.04	207 135750.39	255 167228.74
3D+1P	4 2951.09	12 8853.28	60 44266.43	108 79679.57	156 115092.72	204 150505.87	252 185919.01
4D+1P	5 3934.79	15 11804.38	60 47217.52	110 86565.46	155 121978.61	205 161326.55	255 200674.49
5D+1P	6 4918.49	12 9836.98	60 49184.92	108 88532.86	156 127880.80	204 167228.74	252 206576.68
6D+1P	7 5902.19	14 11804.38	63 53119.71	105 88532.86	154 129848.20	203 171163.53	252 212478.87
7D+1P	8 6885.88	8 6885.88	56 48201.22	104 89516.56	152 130831.90	200 172147.23	248 213462.57
8D+1P	9 7869.58	9 7869.58	63 55087.11	108 94435.05	153 133782.99	207 181000.52	252 220348.46
9D+1P	10 8853.28	10 8853.28	60 53119.71	110 97386.15	150 132799.29	200 177065.73	250 221332.16
10D+1P	11 9836.98	11 9836.98	55 49184.92	110 98369.85	154 137717.79	198 177065.73	253 226250.65
11D+1P	12 10820.68	12 10820.68	60 54103.41	108 97386.15	156 140668.88	204 183951.62	252 227234.35
12D+1P	13 11804.38	13 11804.38	52 47217.52	104 94435.05	156 141652.58	195 177065.73	247 224283.25
13D+1P	14 12788.08	14 12788.08	56 51152.32	98 89516.56	154 140668.88	196 179033.12	252 230185.45
14D+1P	15 13771.77	15 13771.77	60 55087.11	105 96402.45	150 137717.79	195 179033.12	255 234120.24
15D+1P	16 14755.47	16 14755.47	48 44266.43	96 88532.86	144 132799.29	192 177065.73	240 221332.16

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKS/RKES.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKM/RKEM.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKEM.

## RAID 6 SATA disk drive capacities (1,000 GB)

Table 8-107: RAID 6 SATA Disk Drive Capacities (1,000 GB)

Disk Capacity	983.69 GB						
Unit	RKS/RKM		RKAKX				
Range	1		1	2	3	4	5
Total Range of Disk drives	Min.	15 (Max)	63	111	159 (Max)(Note2)	207 (Max)(Note3)	255 (Max)(Note4)
2D+2P (Note1)	4 1967.39	12 5902.19	60 29510.95	108 53119.71	156 76728.48	204 100337.24	252 123946.01
3D+2P	5 2951.09	15 8853.28	60 35413.14	110 64924.10	155 91483.96	205 120994.91	255 150505.87
4D+2P	6 3934.79	12 7869.58	60 39347.94	108 70826.29	156 102304.64	204 133782.99	252 165261.34
5D+2P	7 4918.49	14 9836.98	63 44266.43	105 73777.38	154 108206.83	203 142636.28	252 177065.73
6D+2P	8 5902.19	8 5902.19	56 41315.33	104 76728.48	152 112141.62	200 147554.77	248 182967.92
7D+2P	9 6885.88	9 6885.88	63 48201.22	108 82630.67	153 117060.12	207 158375.45	252 192804.90
8D+2P	10 7869.58	10 7869.58	60 47217.52	110 86565.46	150 118043.82	200 157391.76	250 196739.70
9D+2P	11 8853.28	11 8853.28	55 44266.43	110 88532.86	154 123946.01	198 159359.15	253 203625.59
10D+2P	12 9836.98	12 9836.98	60 49184.92	108 88532.86	156 127880.80	204 167228.74	252 206576.68
11D+2P	13 10820.68	13 10820.68	52 43282.73	104 86565.46	156 129848.20	195 162310.25	247 205592.98
12D+2P	14 11804.38	14 11804.38	56 47217.52	98 82630.67	154 129848.20	196 165261.34	252 212478.87
13D+2P	15 12788.08	15 12788.08	60 51152.32	105 89516.56	150 127880.80	195 166245.04	255 217397.36
14D+2P	16 13771.77	16 13771.77	48 41315.33	96 82630.67	144 123946.01	192 165261.34	240 206576.68
15D+2P	17 14755.47	17 14755.47	51 44266.43	102 88532.86	153 132799.29	204 177065.73	255 221332.16
16D+2P	18 15739.17	18 15739.17	54 47217.52	108 94435.05	144 125913.40	198 173130.93	252 220348.46
17D+2P	19 16722.87	19 16722.87	57 50168.62	95 83614.37	152 133782.99	190 167228.74	247 217397.36
18D+2P	20 17706.57	20 17706.57	60 53119.71	100 88532.86	140 123946.01	200 177065.73	240 212478.87
19D+2P	21 18690.27	21 18690.27	63 56070.81	105 93451.35	147 130831.90	189 168212.44	252 224283.25
20D+2P	22 19673.97	22 19673.97	44 39347.94	110 98369.85	154 137717.79	198 177065.73	242 216413.67
21D+2P	23 20657.66	23 20657.66	46 41315.33	92 82630.67	138 123946.01	207 185919.01	253 227234.35
22D+2P	24 21641.36	24 21641.36	48 43282.73	96 86565.46	144 129848.20	192 173130.93	240 216413.67

**Table 8-107: RAID 6 SATA Disk Drive Capacities (1,000 GB) (Continued)**

Disk Capacity	983.69 GB						
23D+2P	25 22625.06	25 22625.06	50 45250.13	100 90500.26	150 135750.39	200 181000.52	250 226250.65
24D+2P	26 23608.76	26 23608.76	52 47217.52	104 94435.05	156 141652.58	182 165261.34	234 212478.87
25D+2P	27 24592.46	27 24592.46	54 49184.92	108 98369.85	135 122962.31	189 172147.23	243 221332.16
26D+2P	28 25576.16	28 25576.16	56 51152.32	84 76728.48	140 127880.80	196 179033.12	252 230185.45
27D+2P	29 26559.85	29 26559.85	58 53119.71	87 79679.57	145 132799.29	203 185919.01	232 212478.87
28D+2P	30 27543.55	30 27543.55	60 55087.11	90 82630.67	150 137717.79	180 165261.34	240 220348.46

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKS/RKES.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKM/RKEM.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKEM.

## RAID 1+0 SATA disk drive capabilities (1,000 GB)

**Table 8-108: RAID 1+0 SATA Disk Drive Capacities (1,000 GB)**

Disk Capacity	983.69 GB						
Component unit	RKS/RKM		RKAKX				
Range	1		1	2	3	4	5
Total Range of Disk drives	Min.	15 (Max)	63	111	159 (Max)(Note2)	207 (Max)(Note3)	255 (Max)(Note4)
2D+2D (Note1)	4 1967.39	12 5902.19	60 29510.95	108 53119.71	156 76728.48	204 100337.24	252 123946.01
3D+3D	6 2951.09	12 5902.19	60 29510.95	108 53119.71	156 76728.48	204 100337.24	252 123946.01
4D+4D	8 3934.79	8 3934.79	56 27543.55	104 51152.32	152 74761.08	200 98369.85	248 121978.61
5D+5D	10 4918.49	10 4918.49	60 29510.95	110 54103.41	150 73777.38	200 98369.85	250 122962.31
6D+6D	12 5902.19	12 5902.19	60 29510.95	108 53119.71	156 76728.48	204 100337.24	252 123946.01
7D+7D	14 6885.88	14 6885.88	56 27543.55	98 48201.22	154 75744.78	196 96402.45	252 123946.01
8D+8D	16 7869.58	16 7869.58	48 23608.76	96 47217.52	144 70826.29	192 94435.05	240 118043.82

**Note 1:** D: data disk.

**Note 2:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKS/RKES.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKM/RKEM.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKEM.

## RAID 1 SATA disk drive capabilities (2,000 GB)

**Table 8-109: RAID 1 SATA Disk Drive Capacities (2,000 GB)**

Disk Capacity	1968.52 GB						
Unit	RKS/RKM		RKAKX				
Range	1		1	2	3	4	5
Total Range of Disk drives	Min.	15 (Max)	63	111	159 (Max)(Note2)	207 (Max)(Note3)	255 (Max)(Note4)
1D+1D (Note1)	2 1968.52	14 13779.64	62 61024.15	110 108268.65	158 155513.16	206 202757.67	254 250002.17

**Note 1:** D: data disk.

**Note 2:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKS/RKES.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKM/RKEM.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKEM.

## RAID 5 SATA disk drive capabilities (2,000 GB)

Table 8-110: RAID 5 SATA Disk Drive Capacities (2,000 GB)

Disk Capacity	1968.52 GB						
Disk capacity	1968.52 GB						
Unit	RKS/RKM			RKAKX			
Range	1		1	2	3	4	5
Total Range of Disk drives	Min.	15 (Max)	63	111	159 (Max) (Note2)	207 (Max) (Note3)	255 (Max) (Note4)
2D+1P (Note1)	3 3937.04	15 19685.21	63 82677.88	111 145670.56	159 208663.23	207 271655.90	255 334648.58
3D+1P	4 5905.56	12 17716.68	60 88583.44	108 159450.20	156 230316.96	204 301183.72	252 372050.48
4D+1P	5 7874.08	15 23622.25	60 94489.01	110 173229.85	155 244096.61	205 322837.45	255 401578.30
5D+1P	6 9842.60	12 19685.21	60 98426.05	108 177166.89	156 255907.74	204 334648.58	252 413389.42
6D+1P	7 11811.12	14 23622.25	63 106300.13	105 177166.89	154 259844.78	203 342522.66	252 425200.55
7D+1P	8 13779.64	8 13779.64	56 96457.53	104 179135.41	152 261813.30	200 344491.18	248 427169.07
8D+1P	9 15748.16	9 15748.16	63 110237.18	108 188978.02	153 267718.86	207 362207.87	252 440948.72
9D+1P	10 17716.68	10 17716.68	60 106300.13	110 194883.58	150 265750.34	200 354333.79	250 442917.24
10D+1P	11 19685.21	11 19685.21	55 98426.05	110 196852.10	154 275592.95	198 354333.79	253 452759.84
11D+1P	12 21653.73	12 21653.73	60 108268.65	108 194883.58	156 281498.51	204 368113.44	252 454728.37
12D+1P	13 23622.25	13 23622.25	52 94489.01	104 188978.02	156 283467.03	195 354333.79	247 448822.80
13D+1P	14 25590.77	14 25590.77	56 102363.09	98 179135.41	154 281498.51	196 358270.83	252 460633.93
14D+1P	15 27559.29	15 27559.29	60 110237.18	105 192915.06	150 275592.95	195 358270.83	255 468508.01
15D+1P	0 0.00	0 0.00	48 88583.44	96 177166.89	144 265750.34	192 354333.79	240 442917.24

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKS/RKES.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKM/RKEM.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKEM.

## RAID 6 SATA disk drive capacities (2,000 GB)

Table 8-111: RAID 6 SATA Disk Drive Capacities (2,000 GB)

Disk Capacity	1968.52 GB						
Unit	RKS/RKM		RKAKX				
Range	1		1	2	3	4	5
Total Range of Disk drives	Min.	15 (Max)	63	111	159 (Max) (Note2)	207 (Max) (Note3)	255 (Max) (Note4)
2D+2P (Note1)	4 3937.04	12 11811.12	60 59055.63	108 106300.13	156 153544.64	204 200789.15	252 248033.65
3D+2P	5 5905.56	15 17716.68	60 70866.75	110 129922.39	155 183072.46	205 242128.09	255 301183.72
4D+2P	6 7874.08	12 15748.16	60 78740.84	108 141733.51	156 204726.19	204 267718.86	252 330711.54
5D+2P	7 9842.60	14 19685.21	63 88583.44	105 147639.08	154 216537.31	203 285435.55	252 354333.79
6D+2P	8 11811.12	8 11811.12	56 82677.88	104 153544.64	152 224411.40	200 295278.16	248 366144.92
7D+2P	9 13779.64	9 13779.64	63 96457.53	108 165355.77	153 234254.00	207 316931.89	252 385830.13
8D+2P	10 15748.16	10 15748.16	60 94489.01	110 173229.85	150 236222.53	200 314963.37	250 393704.21
9D+2P	11 17716.68	11 17716.68	55 88583.44	110 177166.89	154 248033.65	198 318900.41	253 407483.86
10D+2P	12 19685.21	12 19685.21	60 98426.05	108 177166.89	156 255907.74	204 334648.58	252 413389.42
11D+2P	13 21653.73	13 21653.73	52 86614.92	104 173229.85	156 259844.78	195 324805.97	247 411420.90
12D+2P	14 23622.25	14 23622.25	56 94489.01	98 165355.77	154 259844.78	196 330711.54	252 425200.55
13D+2P	15 25590.77	15 25590.77	60 102363.09	105 179135.41	150 255907.74	195 332680.06	255 435043.15
14D+2P	0 0.00	0 0.00	48 82677.88	96 165355.77	144 248033.65	192 330711.54	240 413389.42
15D+2P	0 0.00	0 0.00	51 88583.44	102 177166.89	153 265750.34	204 354333.79	255 442917.24
16D+2P	0 0.00	0 0.00	54 94489.01	108 188978.02	144 251970.69	198 346459.71	252 440948.72
17D+2P	0 0.00	0 0.00	57 100394.57	95 167324.29	152 267718.86	190 334648.58	247 435043.15
18D+2P	0 0.00	0 0.00	60 106300.13	100 177166.89	140 248033.65	200 354333.79	240 425200.55
19D+2P	0 0.00	0 0.00	63 112205.70	105 187009.50	147 261813.30	189 336617.10	252 448822.80
20D+2P	0 0.00	0 0.00	44 78740.84	110 196852.10	154 275592.95	198 354333.79	242 433074.63
21D+2P	0 0.00	0 0.00	46 82677.88	92 165355.77	138 248033.65	207 372050.48	253 454728.37
22D+2P	0 0.00	0 0.00	48 86614.92	96 173229.85	144 259844.78	192 346459.71	240 433074.63
23D+2P	0 0.00	0 0.00	50 90551.96	100 181103.93	150 271655.90	200 362207.87	250 452759.84
24D+2P	0 0.00	0 0.00	52 94489.01	104 188978.02	156 283467.03	182 330711.54	234 425200.55
25D+2P	0 0.00	0 0.00	54 98426.05	108 196852.10	135 246065.13	189 344491.18	243 442917.24
26D+2P	0 0.00	0 0.00	56 102363.09	84 153544.64	140 255907.74	196 358270.83	252 460633.93

**Table 8-111: RAID 6 SATA Disk Drive Capacities (2,000 GB) (Continued)**

Disk Capacity	1968.52 GB						
27D+2P	0 0.00	0 0.00	58 106300.13	87 159450.20	145 265750.34	203 372050.48	232 425200.55
28D+2P	0 0.00	0 0.00	60 110237.18	90 165355.77	150 275592.95	180 330711.54	240 440948.72

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKS/RKES.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKM/RKEM.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKEM.

## RAID 1+0 SATA disk drive capacities (2,000 GB)

**Table 8-112: RAID 1+0 SATA Disk Drive Capacities (2,000 GB)**

Disk Capacity	1968.52 GB						
Component unit	RKS/RKM		RKAKX				
Range	1		1	2	3	4	4
Total Range of Disk drives	Min.	15 (Max)	63	111	159 (Max) (Note2)	207 (Max) (Note3)	255 (Max) (Note4)
2D+2D (Note1)	4 3937.04	12 11811.12	60 59055.63	108 106300.13	156 153544.64	204 200789.15	252 248033.65
3D+3D	6 5905.56	12 11811.12	60 59055.63	108 106300.13	156 153544.64	204 200789.15	252 248033.65
4D+4D	8 7874.08	8 7874.08	56 55118.59	104 102363.09	152 149607.60	200 196852.10	248 244096.61
5D+5D	10 9842.60	10 9842.60	60 59055.63	110 108268.65	150 147639.08	200 196852.10	250 246065.13
6D+6D	12 11811.12	12 11811.12	60 59055.63	108 106300.13	156 153544.64	204 200789.15	252 248033.65
7D+7D	14 13779.64	14 13779.64	56 55118.59	98 96457.53	154 151576.12	196 192915.06	252 248033.65
8D+8D	0 0.00	0 0.00	48 47244.50	96 94489.01	144 141733.51	192 188978.02	240 236222.53

**Note 1:** D: data disk.

**Note 2:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKS/RKES.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKM/RKEM.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKEM.

## RAID 1 SATA disk drive capacities (3,000 GB)

Table 8-113: RAID 1 SATA Disk Drive Capacities (3,000 GB)

Disk Capacity	2953.31 GB						
Unit	RKS/RKM/RKM/RKEM		RKAKX				
Range	1		1	2	3	4	5
Total Range of Disk drives	Min.	15 (Max)	63	111	159 (Max)(Note2)	207 (Max)(Note3)	255 (Max)(Note4)
1D+1D (Note1)	2 2953.31	14 20673.17	62 91552.61	110 162432.05	158 233311.49	206 304190.94	254 375070.38

**Note 1:** D: data disk.

**Note 2:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKS/RKES.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKM/RKEM.

**Note 4:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKEM.

## RAID 5 SATA disk drive capacities (3,000 GB)

Table 8-114: RAID 5 SATA Disk Drive Capacities (3,000 GB)

Disk capacity		2953.31 G bytes					
Unitt	RKS/RKES/RKM/RKEM		RKAKX				
Range	1		1	2	3	4	5
Total range of Disk drives	Min.	15 (Max)	63	111	159 (Max)(*2)	207 (Max)(*3)	255 (Max)(*4)
2D+1P (*1)	3	15	63	111	159	207	255
	5906.62	29533.10	124039.02	218544.94	313050.87	407556.79	502062.71
3D+1P	4	12	60	108	156	204	252
	8859.93	26579.79	132898.95	239218.11	345537.28	451856.44	558175.61
4D+1P	5	15	60	110	155	205	255
	11813.24	35439.72	141758.88	259891.28	366210.45	484342.85	602475.26
5D+1P	6	12	60	108	156	204	252
	14766.55	29533.10	147665.50	265797.90	383930.31	502062.71	620195.12
6D+1P	7	14	63	105	154	203	252
	17719.86	35439.72	159478.74	265797.90	389836.93	513875.95	637914.98
7D+1P	8	8	56	104	152	200	248
	20673.17	20673.17	144712.19	268751.21	392790.24	516829.26	640868.29
8D+1P	9	9	63	108	153	207	252
	23626.48	23626.48	165385.36	283517.77	401650.17	543409.06	661541.46
9D+1P	10	10	60	110	150	200	250
	26579.79	26579.79	159478.74	292377.70	398696.86	531595.81	664494.77
10D+1P	11	11	55	110	154	198	253
	29533.10	29533.10	147665.50	295331.01	413463.41	531595.81	679261.32
11D+1P	12	12	60	108	156	204	252
	32486.41	32486.41	162432.05	292377.70	422323.34	552268.99	682214.63
12D+1P	13	13	52	104	156	195	247
	35439.72	35439.72	141758.88	283517.77	425276.65	531595.81	673354.70
13D+1P	14	14	56	98	154	196	252
	38393.03	38393.03	153572.12	268751.21	422323.34	537502.43	691074.56
14D+1P	15	15	60	105	150	195	255
	41346.34	41346.34	165385.36	289424.39	413463.41	537502.43	702887.80
15D+1P	0	0	48	96	144	192	240
	0.00	0.00	132898.95	265797.90	398696.86	531595.81	664494.77

\*1: D: data disk, P: parity disk

\*2: It indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKS/RKES.

\*3: It indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKM/RKEM.

\*4: It indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKEM.

# RAID 6 SATA disk drive capacities (3,000 GB)

Table 8-115: RAID 6 SATA disk drive capacities (3,000 GB)

Disk capacity	2953.31 G bytes						
Component unit	RKS/RKES/RKM/RKEM		RKAKX				
Range	1		1	2	3	4	5
Total range of Disk drives	Min.	15	63	111	159 (Max)(*2)	207 (Max)(*3)	255 (Max)(*4)
2D+2P (*1)	4	12	60	108	156	204	252
	5906.62	17719.86	88599.30	159478.74	230358.18	301237.63	372117.07
3D+2P	5	15	60	110	155	205	255
	8859.93	26579.79	106319.16	194918.46	274657.84	363257.14	451856.44
4D+2P	6	12	60	108	156	204	252
	11813.24	23626.48	118132.40	212638.32	307144.25	401650.17	496156.09
5D+2P	7	14	63	105	154	203	252
	14766.55	29533.10	132898.95	221498.25	324864.11	428229.96	531595.81
6D+2P	8	8	56	104	152	200	248
	17719.86	17719.86	124039.02	230358.18	336677.35	442996.51	549315.68
7D+2P	9	9	63	108	153	207	252
	20673.17	20673.17	144712.19	248078.04	351443.90	475482.92	578848.78
8D+2P	10	10	60	110	150	200	250
	23626.48	23626.48	141758.88	259891.28	354397.21	472529.61	590662.02
9D+2P	11	11	55	110	154	198	253
	26579.79	26579.79	132898.95	265797.90	372117.07	478436.23	611335.19
10D+2P	12	12	60	108	156	204	252
	29533.10	29533.10	147665.50	265797.90	383930.31	502062.71	620195.12
11D+2P	13	13	52	104	156	195	247
	32486.41	32486.41	129945.64	259891.28	389836.93	487296.16	617241.81
12D+2P	14	14	56	98	154	196	252
	35439.72	35439.72	141758.88	248078.04	389836.93	496156.09	637914.98
13D+2P	15	15	60	105	150	195	255
	38393.03	38393.03	153572.12	268751.21	383930.31	499109.40	652681.53
14D+2P	0	0	48	96	144	192	240
	0.00	0.00	124039.02	248078.04	372117.07	496156.09	620195.12
15D+2P	0	0	51	102	153	204	255
	0.00	0.00	132898.95	265797.90	398696.86	531595.81	664494.77
16D+2P	0	0	54	108	144	198	252
	0.00	0.00	141758.88	283517.77	378023.69	519782.57	661541.46
17D+2P	0	0	57	95	152	190	247
	0.00	0.00	150618.81	251031.35	401650.17	502062.71	652681.53
18D+2P	0	0	60	100	140	200	240
	0.00	0.00	159478.74	265797.90	372117.07	531595.81	637914.98
19D+2P	0	0	63	105	147	189	252
	0.00	0.00	168338.67	280564.46	392790.24	505016.02	673354.70

**Table 8-115: RAID 6 SATA disk drive capacities (3,000 GB)**

20D+2P	0	0	44	110	154	198	242
	0.00	0.00	118132.40	295331.01	413463.41	531595.81	649728.22
21D+2P	0	0	46	92	138	207	253
	0.00	0.00	124039.02	248078.04	372117.07	558175.61	682214.63
22D+2P	0	0	48	96	144	192	240
	0.00	0.00	129945.64	259891.28	389836.93	519782.57	649728.22
23D+2P	0	0	50	100	150	200	250
	0.00	0.00	135852.26	271704.53	407556.79	543409.06	679261.32
24D+2P	0	0	52	104	156	182	234
	0.00	0.00	141758.88	283517.77	425276.65	496156.09	637914.98
25D+2P	0	0	54	108	135	189	243
	0.00	0.00	147665.50	295331.01	369163.76	516829.26	664494.77
26D+2P	0	0	56	84	140	196	252
	0.00	0.00	153572.12	230358.18	383930.31	537502.43	691074.56
27D+2P	0	0	58	87	145	203	232
	0.00	0.00	159478.74	239218.11	398696.86	558175.61	637914.98
28D+2P	0	0	60	90	150	180	240
	0.00	0.00	165385.36	248078.04	413463.41	496156.09	661541.46

\*1: D: data disk, P: parity disk

\*2: It indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKS/RKES.

\*3: It indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKM/RKEM.

\*4: It indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKEM.

## RAID 1+0 SATA disk drive capacities (3,000 GB)

Table 8-116: RAID 1+0 SATA disk drive capacities (3,000 GB)

Disk capacity	2953.31G bytes						
Component unit	RKS/RKES/RKM/RKEM		RKAKX				
Range	1		1	2	3	4	5
Total range of Disk drives	Min.	15 (Max)	63	111	159 (Max) (*2)	207 (Max) (*3)	255 (Max) (*4)
2D+2D (*1)	4	12	60	108	156	204	252
	5906.62	17719.86	88599.30	159478.74	230358.18	301237.63	372117.07
3D+3D	6	12	60	108	156	204	252
	8859.93	17719.86	88599.30	159478.74	230358.18	301237.63	372117.07
4D+4D	8	8	56	104	152	200	248
	11813.24	11813.24	82692.68	153572.12	224451.56	295331.01	366210.45
5D+5D	10	10	60	110	150	200	250
	14766.55	14766.55	88599.30	162432.05	221498.25	295331.01	369163.76
6D+6D	12	12	60	108	156	204	252
	17719.86	17719.86	88599.30	159478.74	230358.18	301237.63	372117.07
7D+7D	14	14	56	98	154	196	252
	20673.17	20673.17	82692.68	144712.19	227404.87	289424.39	372117.07
8D+8D	0	0	48	96	144	192	240
	0.00	0.00	70879.44	141758.88	212638.32	283517.77	354397.21

\*1: D: data disk

\*2: It indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKS/RKES.

\*3: It indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKM/RKEM.

\*4: It indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKEM.

# RAID capacities - AMS 2500 base unit and high-density expansion unit SAS/SAS(SED)/SATA drives

## RAID 0 SAS disk drive capacities (450 GB)

Table 8-117: RAID 0 SAS Disk Drive Capacities (450 GB)

Disk capacity	439.44 G bytes										
Unit	RKAKX (*2)										
Range	1 (*2)		2	3	4	5	6	7	8	9	10
Total range of Disk drives	Min.	38 (Max)	76	114	152	190	228	266	304	342	380 (Max) (*3)
2D (*1)	2	38	76	114	152	190	228	266	304	342	380
	878.89	16698.93	33397.86	50096.80	66795.73	83494.66	100193.60	116892.53	133591.46	150290.40	166989.33
3D	3	36	75	114	150	189	228	264	303	342	378
	1318.33	15820.04	32958.42	50096.80	65916.84	83055.22	100193.60	116013.64	133152.02	150290.40	166110.44
4D	4	36	76	112	152	188	228	264	304	340	380
	1757.78	15820.04	33397.86	49217.90	66795.73	82615.77	100193.60	116013.64	133591.46	149411.51	166989.33
5D	5	35	75	110	150	190	225	265	300	340	380
	2197.22	15380.59	32958.42	48339.01	65916.84	83494.66	98875.26	116453.08	131833.68	149411.51	166989.33
6D	6	36	72	114	150	186	228	264	300	342	378
	2636.67	15820.04	31640.08	50096.80	65916.84	81736.88	100193.60	116013.64	131833.68	150290.40	166110.44
7D	7	35	70	112	147	189	224	266	301	336	378
	3076.11	15380.59	30761.19	49217.90	64598.50	83055.22	98435.81	116892.53	132273.13	147653.72	166110.44
8D	8	32	72	112	152	184	224	264	304	336	376
	3515.56	14062.25	31640.08	49217.90	66795.73	80857.99	98435.81	116013.64	133591.46	147653.72	165231.55
9D	9	36	72	108	144	189	225	261	297	342	378
	3955.01	15820.04	31640.08	47460.12	63280.16	83055.22	98875.26	114695.30	130515.34	150290.40	166110.44
10D	10	30	70	110	150	190	220	260	300	340	380
	4394.45	13183.36	30761.19	48339.01	65916.84	83494.66	96678.03	114255.86	131833.68	149411.51	166989.33
11D	11	33	66	110	143	187	220	264	297	341	374
	4833.90	14501.70	29003.41	48339.01	62840.72	82176.33	96678.03	116013.64	130515.34	149850.95	164352.66
12D	12	36	72	108	144	180	228	264	300	336	372
	5273.34	15820.04	31640.08	47460.12	63280.16	79100.21	100193.60	116013.64	131833.68	147653.72	163473.77
13D	13	26	65	104	143	182	221	260	299	338	377
	5712.79	11425.58	28563.96	45702.34	62840.72	79979.10	97117.48	114255.86	131394.23	148532.61	165670.99
14D	14	28	70	112	140	182	224	266	294	336	378
	6152.23	12304.47	30761.19	49217.90	61522.38	79979.10	98435.81	116892.53	129197.01	147653.72	166110.44
15D	15	30	75	105	150	180	225	255	300	330	375
	6591.68	13183.36	32958.42	46141.78	65916.84	79100.21	98875.26	112058.63	131833.68	145017.05	164792.10
16D	16	32	64	112	144	176	224	256	304	336	368
	7031.12	14062.25	28124.51	49217.90	63280.16	77342.42	98435.81	112498.07	133591.46	147653.72	161715.98

\*1 D: data disk

\*2: It indicates component unit and range when RKAKXs are connected to the RKH/RKHE/RKEH.

\*3: It indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKH/RKHE/RKEH.

## RAID 1 SAS disk drive capacities (450 GB)

Table 8-118: RAID 1 SAS Disk Drive Capacities (450 GB)

Disk capacity	439.44 G bytes										
Component unit	RKAKX [*2]										
Range	1 [*2]		2	3	4	5	6	7	8	9	10
Total range of Disk drives	Min.	38 (Max)	76	114	152	190	228	266	304	342	380 (Max) [*3]
1D+1D [*1]	2	38	76	114	152	190	228	266	304	342	380
	439.44	8349.46	16698.93	25048.40	33397.86	41747.33	50096.80	58446.26	66795.73	75145.20	83494.66

**Note 1:** D: data disk.

**Note 2:** Indicates component unit and range when RKAKXs are connected to the RKH/RKHE/RKEH.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKH/RKHE/RKEH.

## RAID 5 SAS disk drive capacities (450 GB)

Table 8-119: RAID 5 SAS disk drive capacities (450 GB)

Disk capacity	439.44 G bytes										
Unit	RKAKX (*2)										
Range	1(*2)		2	3	4	5	6	7	8	9	10
Total range of Disk drives	Min.	38 (Max)	76	114	152	190	228	266	304	342	380 (Max) (*3)
2D+1P (*1)	3	36	75	114	150	189	228	264	303	342	378
	878.89	10546.69	21972.28	33397.86	43944.56	55370.14	66795.73	77342.42	88768.01	100193.60	110740.29
3D+1P	4	36	76	112	152	188	228	264	304	340	380
	1318.33	11865.03	25048.40	36913.43	50096.80	61961.83	75145.20	87010.23	100193.60	112058.63	125242.00
4D+1P	5	35	75	110	150	190	225	265	300	340	380
	1757.78	12304.47	26366.73	38671.21	52733.47	66795.73	79100.21	93162.47	105466.94	119529.20	133591.46
5D+1P	6	36	72	114	150	186	228	264	300	342	378
	2197.22	13183.36	26366.73	41747.33	54930.70	68114.07	83494.66	96678.03	109861.40	125242.00	138425.36
6D+1P	7	35	70	112	147	189	224	266	301	336	378
	2636.67	13183.36	26366.73	42186.77	55370.14	71190.19	84373.55	100193.60	113376.96	126560.33	142380.38
7D+1P	8	32	72	112	152	184	224	264	304	336	376
	3076.11	12304.47	27685.07	43065.67	58446.26	70750.74	86131.34	101511.93	116892.53	129197.01	144577.60
8D+1P	9	36	72	108	144	189	225	261	297	342	378
	3515.56	14062.25	28124.51	42186.77	56249.03	73826.86	87889.12	101951.38	116013.64	133591.46	147653.72
9D+1P	10	30	70	110	150	190	220	260	300	340	380
	3955.01	11865.03	27685.07	43505.11	59325.15	75145.20	87010.23	102830.27	118650.31	134470.35	150290.40
10D+1P	11	33	66	110	143	187	220	264	297	341	374
	4394.45	13183.36	26366.73	43944.56	57127.93	74705.75	87889.12	105466.94	118650.31	136228.14	149411.51
11D+1P	12	36	72	108	144	180	228	264	300	336	372
	4833.90	14501.70	29003.41	43505.11	58006.82	72508.52	91844.13	106345.83	120847.54	135349.25	149850.95
12D+1P	13	26	65	104	143	182	221	260	299	338	377
	5273.34	10546.69	26366.73	42186.77	58006.82	73826.86	89646.90	105466.94	121286.99	137107.03	152927.07
13D+1P	14	28	70	112	140	182	224	266	294	336	378
	5712.79	11425.58	28563.96	45702.34	57127.93	74266.30	91404.68	108543.06	119968.65	137107.03	154245.41
14+1P	15	30	75	105	150	180	225	255	300	330	375
	6152.23	12304.47	30761.19	43065.67	61522.38	73826.86	92283.57	104588.05	123044.77	135349.25	153805.96
15D+1P	16	32	64	112	144	176	224	256	304	336	368
	6591.68	13183.37	26366.73	46141.78	59325.15	72508.52	92283.57	105466.94	125242.00	138425.36	151608.73

**Note 1:** D: data disk, P: parity disk

**Note 2:** Indicates component unit and range when RKAKXs are connected to the RKH/RKHE/RKEH.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKH/RKHE/RKEH.

# RAID 6 SAS disk drive capacities (450 GB)

Table 8-120: RAID 6 SAS disk drive capacities (450 GB)

Disk capacity	439.44 G bytes										
Unitt	RKAKX (*2)										
(*2)											
Range	1 (*2)		2	3	4	5	6	7	8	9	10
Total Range of Disk drives	Min.	38 (Max)	76	114	152	190	228	266	304	342	380 (Max) (*3)
2D+2P	4	36	76	112	152	188	228	264	304	340	380
(*1)	878.89	7910.02	16698.93	24608.95	33397.86	41307.88	50096.80	58006.82	66795.73	74705.75	83494.66
3D+2P	5	35	75	110	150	190	225	265	300	340	380
	1318.33	9228.35	19775.05	29003.41	39550.10	50096.80	59325.15	69871.85	79100.21	89646.90	100193.60
4D+2P	6	36	72	114	150	186	228	264	300	342	378
	1757.78	10546.69	21093.38	33397.86	43944.56	54491.25	66795.73	77342.42	87889.12	100193.60	110740.29
5D+2P	7	35	70	112	147	189	224	266	301	336	378
	2197.22	10986.14	21972.28	35155.64	46141.78	59325.15	70311.29	83494.66	94480.80	105466.94	118650.31
6D+2P	8	32	72	112	152	184	224	264	304	336	376
	2636.67	10546.69	23730.06	36913.43	50096.80	60643.49	73826.86	87010.23	100193.60	110740.29	123923.66
7D+2P	9	36	72	108	144	189	225	261	297	342	378
	3076.11	12304.47	24608.95	36913.43	49217.90	64598.50	76902.98	89207.46	101511.93	116892.53	129197.01
8D+2P	10	30	70	110	150	190	220	260	300	340	380
	3515.56	10546.69	24608.95	38671.21	52733.47	66795.73	77342.42	91404.68	105466.94	119529.20	133591.46
9D+2P	11	33	66	110	143	187	220	264	297	341	374
	3955.01	11865.03	23730.06	39550.10	51415.13	67235.17	79100.21	94920.25	106785.28	122605.32	134470.35
10D+2P	12	36	72	108	144	180	228	264	300	336	372
	4394.45	13183.36	26366.73	39550.10	52733.47	65916.84	83494.66	96678.03	109861.40	123044.77	136228.14
11D+2P	13	26	65	104	143	182	221	260	299	338	377
	4833.90	9667.80	24169.50	38671.21	53172.91	67674.62	82176.33	96678.03	111179.74	125681.44	140183.15
12D+2P	14	28	70	112	140	182	224	266	294	336	378
	5273.34	10546.69	26366.73	42186.77	52733.47	68553.51	84373.55	100193.60	110740.29	126560.33	142380.38
13D+2P	15	30	75	105	150	180	225	255	300	330	375
	5712.79	11425.58	28563.96	39989.55	57127.93	68553.51	85691.89	97117.48	114255.86	125681.44	142819.82
14D+2P	16	32	64	112	144	176	224	256	304	336	368
	6152.23	12304.47	24608.95	43065.67	55370.14	67674.62	86131.34	98435.81	116892.53	129197.01	141501.48
15D+2P	17	34	68	102	136	187	221	255	289	340	374
	6591.68	13183.36	26366.73	39550.10	52733.47	72508.52	85691.89	98875.26	112058.63	131833.68	145017.05
16D+2P	18	36	72	108	144	180	216	252	288	342	378
	7031.12	14062.25	28124.51	42186.77	56249.03	70311.29	84373.55	98435.81	112498.07	133591.46	147653.72
17D+2P	19	38	76	114	152	190	228	266	304	342	380
	7470.57	14941.15	29882.30	44823.45	59764.60	74705.75	89646.90	104588.05	119529.20	134470.35	149411.51
18D+2P	20	20	60	100	140	180	220	260	300	340	380
	7910.02	7910.02	23730.06	39550.10	55370.14	71190.19	87010.23	102830.27	118650.31	134470.35	150290.40
19D+2P	21	21	63	105	147	189	210	252	294	336	378
	8349.46	8349.46	25048.40	41747.33	58446.26	75145.20	83494.66	100193.60	116892.53	133591.46	150290.40
20D+2P	22	22	66	110	132	176	220	264	286	330	374
	8788.91	8788.91	26366.73	43944.56	52733.47	70311.29	87889.12	105466.94	114255.86	131833.68	149411.51

**Table 8-120: RAID 6 SAS disk drive capacities (450 GB)**

Disk capacity	439.44 G bytes										
21D+2P	23	23	69	92	138	184	207	253	299	322	368
	9228.35	9228.35	27685.07	36913.43	55370.14	73826.86	83055.22	101511.93	119968.65	129197.01	147653.72
22D+2P	24	24	72	96	144	168	216	264	288	336	360
	9667.80	9667.80	29003.41	38671.21	58006.82	67674.62	87010.23	106345.83	116013.64	135349.25	145017.05
23D+2P	25	25	75	100	150	175	225	250	300	325	375
	10107.24	10107.24	30321.74	40428.99	60643.49	70750.74	90965.24	101072.49	121286.99	131394.23	151608.73
24D+2P	26	26	52	104	130	182	208	260	286	338	364
	10546.69	10546.69	21093.38	42186.77	52733.47	73826.86	84373.55	105466.94	116013.64	137107.03	147653.72
25D+2P	27	27	54	108	135	189	216	243	297	324	378
	10986.14	10986.14	21972.28	43944.56	54930.70	76902.98	87889.12	98875.26	120847.54	131833.68	153805.96
26D+2P	28	28	56	112	140	168	224	252	280	336	364
	11425.58	11425.58	22851.17	45702.34	57127.93	68553.51	91404.68	102830.27	114255.86	137107.03	148532.61
27D+2P	29	29	58	87	145	174	203	261	290	319	377
	11865.03	11865.03	23730.06	35595.09	59325.15	71190.19	83055.22	106785.28	118650.31	130515.34	154245.41
28D+2P	30	30	60	90	150	180	210	240	300	330	360
	12304.47	12304.47	24608.95	36913.43	61522.38	73826.86	86131.34	98435.81	123044.77	135349.25	147653.72

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates component unit and range when RKAKXs are connected to the RKH/RKHE/RKEH..

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKH/RKHE/RKEH.

## RAID 1+0 SAS disk drive capacities (450 GB)

Table 8-121: RAID 1+0 SAS disk drive capacities (450 GB)

Disk capacity	439.44 G bytes										
Unit	RKAKX (*2)										
Range	1 (*2)		2	3	4	5	6	7	8	9	10
Total range of Disk drives	Min.	38 (Max)	76	114	152	190	228	266	304	342	380 (Max) (*3)
2D+2D (*1)	4	36	76	112	152	188	228	264	304	340	380
	878.89	7910.02	16698.93	24608.95	33397.86	41307.88	50096.80	58006.82	66795.73	74705.75	83494.66
3D+3D	6	36	72	114	150	186	228	264	300	342	378
	1318.33	7910.02	15820.04	25048.40	32958.42	40868.44	50096.80	58006.82	65916.84	75145.20	83055.22
4D+4D	8	32	72	112	152	184	224	264	304	336	376
	1757.78	7031.12	15820.04	24608.95	33397.86	40428.99	49217.90	58006.82	66795.73	73826.86	82615.77
5D+5D	10	30	70	110	150	190	220	260	300	340	380
	2197.22	6591.68	15380.59	24169.50	32958.42	41747.33	48339.01	57127.93	65916.84	74705.75	83494.66
6D+6D	12	36	72	108	144	180	228	264	300	336	372
	2636.67	7910.02	15820.04	23730.06	31640.08	39550.10	50096.80	58006.82	65916.84	73826.86	81736.88
7D+7D	14	28	70	112	140	182	224	266	294	336	378
	3076.11	6152.23	15380.59	24608.95	30761.19	39989.55	49217.90	58446.26	64598.50	73826.86	83055.22
8D+8D	16	32	64	112	144	176	224	256	304	336	368
	3515.56	7031.12	14062.25	24608.95	31640.08	38671.21	49217.90	56249.03	66795.73	73826.86	80857.99

**Note 1:** D: data disk.

**Note 2:** Indicates component unit and range when RKAKXs are connected to the RKH/RKHE/RKEH.

**Note 3:** Indicates s the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKH/RKHE/RKEH.

## RAID 0 SAS/SAS(SED) disk drive capacities (600 GB)

Table 8-122: RAID 0 SAS/SAS(SED) disk drive capacities (600 GB)

Disk capacity	575.30 G bytes										
Unit	RKAKX (*2)										
Range	1 (*2)		2	3	4	5	6	7	8	9	10
Total range of Disk drives	Min.	38 (Max)	76	114	152	190	228	266	304	342	380 (Max) (*3)
2D (*1)	2	38	76	114	152	190	228	266	304	342	380
	1150.60	21861.48	43722.97	65584.45	87445.94	109307.43	131168.91	153030.40	174891.89	196753.37	218614.86
3D	3	36	75	114	150	189	228	264	303	342	378
	1725.90	20710.88	43147.67	65584.45	86295.34	108732.12	131168.91	151879.79	174316.58	196753.37	217464.25
4D	4	36	76	112	152	188	228	264	304	340	380
	2301.20	20710.88	43722.97	64433.85	87445.94	108156.82	131168.91	151879.79	174891.89	195602.77	218614.86
5D	5	35	75	110	150	190	225	265	300	340	380
	2876.51	20135.57	43147.67	63283.24	86295.34	109307.43	129443.01	152455.10	172590.68	195602.77	218614.86
6D	6	36	72	114	150	186	228	264	300	342	378
	3451.81	20710.88	41421.76	65584.45	86295.34	107006.22	131168.91	151879.79	172590.68	196753.37	217464.25
7D	7	35	70	112	147	189	224	266	301	336	378
	4027.11	20135.57	40271.15	64433.85	84569.43	108732.12	128867.70	153030.40	173165.98	193301.56	217464.25
8D	8	32	72	112	152	184	224	264	304	336	376
	4602.41	18409.67	41421.76	64433.85	87445.94	105855.61	128867.70	151879.79	174891.89	193301.56	216313.65
9D	9	36	72	108	144	189	225	261	297	342	378
	5177.72	20710.88	41421.76	62132.64	82843.52	108732.12	129443.01	150153.89	170864.77	196753.37	217464.25
10D	10	30	70	110	150	190	220	260	300	340	380
	5753.02	17259.06	40271.15	63283.24	86295.34	109307.43	126566.49	149578.59	172590.68	195602.77	218614.86
11D	11	33	66	110	143	187	220	264	297	341	374
	6328.32	18984.97	37969.94	63283.24	82268.22	107581.52	126566.49	151879.79	170864.77	196178.07	215163.04
12D	12	36	72	108	144	180	228	264	300	336	372
	6903.62	20710.88	41421.76	62132.64	82843.52	103554.40	131168.91	151879.79	172590.68	193301.56	214012.44
13D	13	26	65	104	143	182	221	260	299	338	377
	7478.92	14957.85	37394.64	59831.43	82268.22	104705.01	127141.80	149578.59	172015.37	194452.16	216888.95
14D	14	28	70	112	140	182	224	266	294	336	378
	8054.23	16108.46	40271.15	64433.85	80542.31	104705.01	128867.70	153030.40	169138.86	193301.56	217464.25
15D	15	30	75	105	150	180	225	255	300	330	375
	8629.53	17259.06	43147.67	60406.73	86295.34	103554.40	129443.01	146702.07	172590.68	189849.74	215738.35
16D	16	32	64	112	144	176	224	256	304	336	368
	9204.83	18409.67	36819.34	64433.85	82843.52	101253.19	128867.70	147277.38	174891.89	193301.56	211711.23

**Note 1:** D: data disk.

**Note 2:** Indicates component unit and range when RKAKXs are connected to the RKH/RKHE/RKEH.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKH/RKHE/RKEH.

## RAID 1 SAS/SAS(SED) disk drive capacities (600 GB)

Table 8-123: RAID 1 SAS/SAS(SED) Disk Drive Capacities (600 GB)

Disk capacity	575.30 G bytes										
Component unit	RKAKX (*2)										
Range	1 (*2)	2	3	4	5	6	7	8	9	10	
Total range of Disk drives	Min.	38 (Max)	76	114	152	190	228	266	304	342	380 (Max) (*3)
1D+1D (*1)	2	38	76	114	152	190	228	266	304	342	380
	575.30	10930.74	21861.48	32792.22	43722.97	54653.71	65584.45	76515.20	87445.94	98376.68	109307.43

**Note 1:** D: data disk.

**Note 2:** Indicates component unit and range when RKAKXs are connected to the RKH/RKHE/RKEH.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKH/RKHE/RKEH.

## RAID 5 SAS/SAS(SED) disk drive capacities (600 GB)

Table 8-124: RAID 5 SAS/SAS(SED) disk drive capacities S (600 GB)

Disk capacity	575.30 G bytes										
Unit	RKAKX (*2)										
Range	1	2	3	4	5	6	7	8	9	10	
Total range of Disk drives	Min.	38 (Max)	76	114	152	190	228	266	304	342	380 (Max)
2D+1P (*1)	3	36	75	114	150	189	228	264	303	342	378
	1150.60	13807.25	28765.11	43722.97	57530.22	72488.08	87445.94	101253.19	116211.05	131168.91	144976.17
3D+1P	4	36	76	112	152	188	228	264	304	340	380
	1725.90	15533.16	32792.22	48325.39	65584.45	81117.62	98376.68	113909.84	131168.91	146702.07	163961.14
4D+1P	5	35	75	110	150	190	225	265	300	340	380
	2301.20	16108.46	34518.13	50626.59	69036.27	87445.94	103554.40	121964.08	138072.54	156482.21	174891.89
5D+1P	6	36	72	114	150	186	228	264	300	342	378
	2876.51	17259.06	34518.13	54653.71	71912.78	89171.85	109307.43	126566.49	143825.56	163961.14	181220.21
6D+1P	7	35	70	112	147	189	224	266	301	336	378
	3451.81	17259.06	34518.13	55229.01	72488.08	93198.96	110458.03	131168.91	148427.98	165687.05	186397.93
7D+1P	8	32	72	112	152	184	224	264	304	336	376
	4027.11	16108.46	36244.04	56379.62	76515.20	92623.66	112759.24	132894.82	153030.40	169138.86	189274.44
8D+1P	9	36	72	108	144	189	225	261	297	342	378
	4602.41	18409.67	36819.34	55229.01	73638.69	96650.78	115060.45	133470.12	151879.79	174891.89	193301.56
9D+1P	10	30	70	110	150	190	220	260	300	340	380
	5177.72	15533.16	36244.04	56954.92	77665.80	98376.68	113909.84	134620.73	155331.61	176042.49	196753.37
10D+1P	11	33	66	110	143	187	220	264	297	341	374
	5753.02	17259.06	34518.13	57530.22	74789.29	97801.38	115060.45	138072.54	155331.61	178343.70	195602.77
11D+1P	12	36	72	108	144	180	228	264	300	336	372
	6328.32	18984.97	37969.94	56954.92	75939.89	94924.87	120238.17	139223.14	158208.12	177193.09	196178.07
12D+1P	13	26	65	104	143	182	221	260	299	338	377
	6903.62	13807.25	34518.13	55229.01	75939.89	96650.78	117361.66	138072.54	158783.42	179494.30	200205.19
13D+1P	14	28	70	112	140	182	224	266	294	336	378
	7478.92	14957.85	37394.64	59831.43	74789.29	97226.08	119662.87	142099.66	157057.51	179494.30	201931.09
14D+1P	15	30	75	105	150	180	225	255	300	330	375
	8054.23	16108.46	40271.15	56379.62	80542.31	96650.78	120813.47	136921.94	161084.63	177193.09	201355.79
15D+1P	16	32	64	112	144	176	224	256	304	336	368
	8629.53	17259.07	34518.13	60406.73	77665.80	94924.87	120813.47	138072.54	163961.14	181220.21	198479.28

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates component unit and range when RKAKXs are connected to the RKH/RKHE/RKEH.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKH/RKHE/RKEH.

# RAID 6 SAS/SAS(SED) disk drive capacities (600 GB)

Table 8-125: RAID 6 SAS/SAS(SED) disk drive capacities (600 GB)

Disk capacity	575.30 G bytes										
Unit	RKAKX (*2)										
Range	1 (*2)		2	3	4	5	6	7	8	9	10
Total range of Disk drives	Min.	38 (Max)	76	114	152	190	228	266	304	342	380 (Max)
2D+2P	4	36	76	112	152	188	228	264	304	340	380
(*1)	1150.60	10355.44	21861.48	32216.92	43722.97	54078.41	65584.45	75939.89	87445.94	97801.38	109307.43
3D+2P	5	35	75	110	150	190	225	265	300	340	380
	1725.90	12081.34	25888.60	37969.94	51777.20	65584.45	77665.80	91473.06	103554.40	117361.66	131168.91
4D+2P	6	36	72	114	150	186	228	264	300	342	378
	2301.20	13807.25	27614.50	43722.97	57530.22	71337.48	87445.94	101253.19	115060.45	131168.91	144976.17
5D+2P	7	35	70	112	147	189	224	266	301	336	378
	2876.51	14382.55	28765.11	46024.18	60406.73	77665.80	92048.36	109307.43	123689.98	138072.54	155331.61
6D+2P	8	32	72	112	152	184	224	264	304	336	376
	3451.81	13807.25	31066.32	48325.39	65584.45	79391.71	96650.78	113909.84	131168.91	144976.17	162235.24
7D+2P	9	36	72	108	144	189	225	261	297	342	378
	4027.11	16108.46	32216.92	48325.39	64433.85	84569.43	100677.89	116786.36	132894.82	153030.40	169138.86
8D+2P	10	30	70	110	150	190	220	260	300	340	380
	4602.41	13807.25	32216.92	50626.59	69036.27	87445.94	101253.19	119662.87	138072.54	156482.21	174891.89
9D+2P	11	33	66	110	143	187	220	264	297	341	374
	5177.72	15533.16	31066.32	51777.20	67310.36	88021.24	103554.40	124265.29	139798.45	160509.33	176042.49
10D+2P	12	36	72	108	144	180	228	264	300	336	372
	5753.02	17259.06	34518.13	51777.20	69036.27	86295.34	109307.43	126566.49	143825.56	161084.63	178343.70
11D+2P	13	26	65	104	143	182	221	260	299	338	377
	6328.32	12656.64	31641.62	50626.59	69611.57	88596.54	107581.52	126566.49	145551.47	164536.44	183521.42
12D+2P	14	28	70	112	140	182	224	266	294	336	378
	6903.62	13807.25	34518.13	55229.01	69036.27	89747.15	110458.03	131168.91	144976.17	165687.05	186397.93
13D+2P	15	30	75	105	150	180	225	255	300	330	375
	7478.92	14957.85	37394.64	52352.50	74789.29	89747.15	112183.94	127141.80	149578.59	164536.44	186973.23
14D+2P	16	32	64	112	144	176	224	256	304	336	368
	8054.23	16108.46	32216.92	56379.62	72488.08	88596.54	112759.24	128867.70	153030.40	169138.86	185247.33
15D+2P	17	34	68	102	136	187	221	255	289	340	374
	8629.53	17259.06	34518.13	51777.20	69036.27	94924.87	112183.94	129443.01	146702.07	172590.68	189849.74
16D+2P	18	36	72	108	144	180	216	252	288	342	378
	9204.83	18409.67	36819.34	55229.01	73638.69	92048.36	110458.03	128867.70	147277.38	174891.89	193301.56
17D+2P	19	38	76	114	152	190	228	266	304	342	380
	9780.13	19560.27	39120.55	58680.83	78241.10	97801.38	117361.66	136921.94	156482.21	176042.49	195602.77
18D+2P	20	20	60	100	140	180	220	260	300	340	380
	10355.44	10355.44	31066.32	51777.20	72488.08	93198.96	113909.84	134620.73	155331.61	176042.49	196753.37
19D+2P	21	21	63	105	147	189	210	252	294	336	378
	10930.74	10930.74	32792.22	54653.71	76515.20	98376.68	109307.43	131168.91	153030.40	174891.89	196753.37
20D+2P	22	22	66	110	132	176	220	264	286	330	374
	11506.04	11506.04	34518.13	57530.22	69036.27	92048.36	115060.45	138072.54	149578.59	172590.68	195602.77
21D+2P	23	23	69	92	138	184	207	253	299	322	368
	12081.34	12081.34	36244.04	48325.39	72488.08	96650.78	108732.12	132894.82	157057.51	169138.86	193301.56

**Table 8-125: RAID 6 SAS/SAS(SED) disk drive capacities (600 GB)**

Disk capacity	575.30 G bytes										
22D+2P	24	24	72	96	144	168	216	264	288	336	360
	12656.64	12656.64	37969.94	50626.59	75939.89	88596.54	113909.84	139223.14	151879.79	177193.09	189849.74
23D+2P	25	25	75	100	150	175	225	250	300	325	375
	13231.95	13231.95	39695.85	52927.80	79391.71	92623.66	119087.57	132319.52	158783.42	172015.37	198479.28
24D+2P	26	26	52	104	130	182	208	260	286	338	364
	13807.25	13807.25	27614.50	55229.01	69036.27	96650.78	110458.03	138072.54	151879.79	179494.30	193301.56
25D+2P	27	27	54	108	135	189	216	243	297	324	378
	14382.55	14382.55	28765.11	57530.22	71912.78	100677.89	115060.45	129443.01	158208.12	172590.68	201355.79
26D+2P	28	28	56	112	140	168	224	252	280	336	364
	14957.85	14957.85	29915.71	59831.43	74789.29	89747.15	119662.87	134620.73	149578.59	179494.30	194452.16
27D+2P	29	29	58	87	145	174	203	261	290	319	377
	15533.16	15533.16	31066.32	46599.48	77665.80	93198.96	108732.12	139798.45	155331.61	170864.77	201931.09
28D+2P	30	30	60	90	150	180	210	240	300	330	360
	16108.46	16108.46	32216.92	48325.39	80542.31	96650.78	112759.24	128867.70	161084.63	177193.09	193301.56

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates component unit and range when RKAKXs are connected to the RKH/RKHE/RKEH.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKH/RKHE/RKEH.

## RAID 1+0 SAS/SAS(SED) disk drive capacities (600 GB)

Table 8-126: RAID 1+0 SAS/SAS(SED) disk drive capacities (600 GB)

Disk capacity	575.30 G bytes										
Unit	RKAKX (*2)										
Range	1 (*2)		2	3	4	5	6	7	8	9	10
Total range of Disk drives	Min.	38 (Max)	76	114	152	190	228	266	304	342	380 (Max)
2D+2D (*1)	4	36	76	112	152	188	228	264	304	340	380
	1150.60	10355.44	21861.48	32216.92	43722.97	54078.41	65584.45	75939.89	87445.94	97801.38	109307.43
3D+3D	6	36	72	114	150	186	228	264	300	342	378
	1725.90	10355.44	20710.88	32792.22	43147.67	53503.11	65584.45	75939.89	86295.34	98376.68	108732.12
4D+4D	8	32	72	112	152	184	224	264	304	336	376
	2301.20	9204.83	20710.88	32216.92	43722.97	52927.80	64433.85	75939.89	87445.94	96650.78	108156.82
5D+5D	10	30	70	110	150	190	220	260	300	340	380
	2876.51	8629.53	20135.57	31641.62	43147.67	54653.71	63283.24	74789.29	86295.34	97801.38	109307.43
6D+6D	12	36	72	108	144	180	228	264	300	336	372
	3451.81	10355.44	20710.88	31066.32	41421.76	51777.20	65584.45	75939.89	86295.34	96650.78	107006.22
7D+7D	14	28	70	112	140	182	224	266	294	336	378
	4027.11	8054.23	20135.57	32216.92	40271.15	52352.50	64433.85	76515.20	84569.43	96650.78	108732.12
8D+8D	16	32	64	112	144	176	224	256	304	336	368
	4602.41	9204.83	18409.67	32216.92	41421.76	50626.59	64433.85	73638.69	87445.94	96650.78	105855.61

**Note 1:** D: data disk.

**Note 2:** Indicates component unit and range when RKAKXs are connected to the RKH/RKHE/RKEH.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKH/RKHE/RKEH.

## RAID 1 SATA disk drive capacities (1,000 GB)

Table 8-127: RAID 1 SATA Disk Drive Capacities (1,000 GB)

Disk Capacity	983.69 G bytes										
Unit	RKAKX (Note2)										
Range	1 (Note2)		2	3	4	5	6	7	8	9	10
Total Range of Disk drives	Min.	48 (Max)	96	144	192	240	288	336	384	432	480 (Max) (Note3)
1D+1D (Note1)	2	48	96	144	192	240	288	336	384	432	480
	983.69	23608.76	47217.52	70826.29	94435.05	118043.82	141652.58	165261.34	188870.11	212478.87	236087.64

**Note 1:** D: data disk.

**Note 2:** Indicates component unit and range when RKAKXs are connected to the RKH/RKHE/RKEH.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKH/RKHE/RKEH.

## RAID 5 SATA disk drive capacities (1,000 GB)

Table 8-128: RAID 5 SATA Disk Drive Capacities (1,000 GB)

Disk capacity	983.69 G bytes										
Unit	RKAKX (Note2)										
Range	1 (Note2)		2	3	4	5	6	7	8	9	10
Total range of Disk drives	Min.	48 (Max)	96	144	192	240	288	336	384	432	480 (Max) (Note3)
2D+1P (Note1)	3 1967.39	48 31478.35	96 62956.70	144 94435.05	192 125913.40	240 157391.76	288 188870.11	336 220348.46	384 251826.81	432 283305.16	480 314783.52
3D+1P	4 2951.09	48 35413.14	96 70826.29	144 106239.43	192 141652.58	240 177065.73	288 212478.87	336 247892.02	384 283305.16	432 318718.31	480 354131.46
4D+1P	5 3934.79	45 35413.14	95 74761.08	140 110174.23	190 149522.17	240 188870.11	285 224283.25	335 263631.19	380 299044.34	430 338392.28	480 377740.22
5D+1P	6 4918.49	48 39347.94	96 78695.88	144 118043.82	192 157391.76	240 196739.70	288 236087.64	336 275435.58	384 314783.52	432 354131.46	480 393479.40
6D+1P	7 5902.19	42 35413.14	91 76728.48	140 118043.82	189 159359.15	238 200674.49	287 241989.83	336 283305.16	378 318718.31	427 360033.65	476 401348.99
7D+1P	8 6885.88	48 41315.33	96 82630.67	144 123946.01	192 165261.34	240 206576.68	288 247892.02	336 289207.36	384 330522.69	432 371838.03	480 413153.37
8D+1P	9 7869.58	45 39347.94	90 78695.88	144 125913.40	189 165261.34	234 204609.28	288 251826.81	333 291174.75	378 330522.69	432 377740.22	477 417088.16
9D+1P	10 8853.28	40 35413.14	90 79679.57	140 123946.01	190 168212.44	240 212478.87	280 247892.02	330 292158.45	380 336424.88	430 380691.32	480 424957.75
10D+1P	11 9836.98	44 39347.94	88 78695.88	143 127880.80	187 167228.74	231 206576.68	286 255761.61	330 295109.55	374 334457.49	429 383642.41	473 422990.35
11D+1P	12 10820.68	48 43282.73	96 86565.46	144 129848.20	192 173130.93	240 216413.67	288 259696.40	336 302979.13	384 346261.87	432 389544.60	480 432827.34
12D+1P	13 11804.38	39 35413.14	91 82630.67	143 129848.20	182 165261.34	234 212478.87	286 259696.40	325 295109.55	377 342327.07	429 389544.60	468 424957.75
13D+1P	14 12788.08	42 38364.24	84 76728.48	140 127880.80	182 166245.04	238 217397.36	280 255761.61	336 306913.93	378 345278.17	420 383642.41	476 434794.73
14D+1P	15 13771.77	45 41315.33	90 82630.67	135 123946.01	180 165261.34	240 220348.46	285 261663.80	330 302979.13	375 344294.47	420 385609.81	480 440696.93
15D+1P	16 14755.48	48 44266.43	96 88532.86	144 132799.29	192 177065.73	240 221332.16	288 265598.59	336 309865.02	384 354131.46	432 398397.89	480 442664.32

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates component unit and range when RKAKXs are connected to the RKH/RKHE/RKEH.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKH/RKHE/RKEH.

# RAID 6 SATA disk drive capacities (1,000 GB)

**Table 8-129: RAID 6 SATA Disk Drive Capacities (1,000 GB)**

Disk Capacity	983.69 G bytes										
Unit	RKAKX (Note2)										
Range	1 (Note2)		2	3	4	5	6	7	8	9	10
Total Range of Disk drives	Min.	48 (Max)	96	144	192	240	288	336	384	432	480 (Max) (Note3)
2D+2P (Note1)	4 1967.39	48 23608.76	96 47217.52	144 70826.29	192 94435.05	240 118043.82	288 141652.58	336 165261.34	384 188870.11	432 212478.87	480 236087.64
3D+2P	5 2951.09	45 26559.85	95 56070.81	140 82630.67	190 112141.62	240 141652.58	285 168212.44	335 197723.39	380 224283.25	430 253794.21	480 283305.16
4D+2P	6 3934.79	48 31478.35	96 62956.70	144 94435.05	192 125913.40	240 157391.76	288 188870.11	336 220348.46	384 251826.81	432 283305.16	480 314783.52
5D+2P	7 4918.49	42 29510.95	91 63940.40	140 98369.85	189 132799.29	238 167228.74	287 201658.19	336 236087.64	378 265598.59	427 300028.04	476 334457.49
6D+2P	8 5902.19	48 35413.14	96 70826.29	144 106239.43	192 141652.58	240 177065.73	288 212478.87	336 247892.02	384 283305.16	432 318718.31	480 354131.46
7D+2P	9 6885.88	45 34429.44	90 68858.89	144 110174.23	189 144603.68	234 179033.12	288 220348.46	333 254777.91	378 289207.36	432 330522.69	477 364952.14
8D+2P	10 7869.58	40 31478.35	90 70826.29	140 110174.23	190 149522.17	240 188870.11	280 220348.46	330 259696.40	380 299044.34	430 338392.28	480 377740.22
9D+2P	11 8853.28	44 35413.14	88 70826.29	143 115092.72	187 150505.87	231 185919.01	286 230185.45	330 265598.59	374 301011.74	429 345278.17	473 380691.32
10D+2P	12 9836.98	48 39347.94	96 78695.88	144 118043.82	192 157391.76	240 196739.70	288 236087.64	336 275435.58	384 314783.52	432 354131.46	480 393479.40
11D+2P	13 10820.68	39 32462.05	91 75744.78	143 119027.51	182 151489.56	234 194772.30	286 238055.03	325 270517.08	377 313799.82	429 357082.55	468 389544.60
12D+2P	14 11804.38	42 35413.14	84 70826.29	140 118043.82	182 153456.96	238 200674.49	280 236087.64	336 283305.16	378 318718.31	420 354131.46	476 401348.99
13D+2P	15 12788.08	45 38364.24	90 76728.48	135 115092.72	180 153456.96	240 204609.28	285 242973.53	330 281337.77	375 319702.01	420 358066.25	480 409218.57
14D+2P	16 13771.77	48 41315.33	96 82630.67	144 123946.01	192 165261.34	240 206576.68	288 247892.02	336 289207.36	384 330522.69	432 371838.03	480 413153.37
15D+2P	17 14755.47	34 29510.95	85 73777.38	136 118043.82	187 162310.25	238 206576.68	272 236087.64	323 280354.07	374 324620.50	425 368886.93	476 413153.37
16D+2P	18 15739.17	36 31478.35	90 78695.88	144 125913.40	180 157391.76	234 204609.28	288 251826.81	324 283305.16	378 330522.69	432 377740.22	468 409218.57
17D+2P	19 16722.87	38 33445.74	95 83614.37	133 117060.12	190 167228.74	228 200674.49	285 250843.11	323 284288.86	380 334457.49	418 367903.24	475 418071.86
18D+2P	20 17706.57	40 35413.14	80 70826.29	140 123946.01	180 159359.15	240 212478.87	280 247892.02	320 283305.16	380 336424.88	420 371838.03	480 424957.75
19D+2P	21 18690.27	42 37380.54	84 74761.08	126 112141.62	189 168212.44	231 205592.98	273 242973.53	336 299044.34	378 336424.88	420 373805.43	462 411185.97
20D+2P	22 19673.97	44 39347.94	88 78695.88	132 118043.82	176 157391.76	220 196739.70	286 255761.61	330 295109.55	374 334457.49	418 373805.43	462 413153.37
21D+2P	23 20657.66	46 41315.33	92 82630.67	138 123946.01	184 165261.34	230 206576.68	276 247892.02	322 289207.36	368 330522.69	414 371838.03	460 413153.37
22D+2P	24 21641.36	48 43282.73	96 86565.46	144 129848.20	192 173130.93	240 216413.67	288 259696.40	336 302979.13	384 346261.87	432 389544.60	480 432827.34
23D+2P	25 22625.06	25 22625.06	75 67875.19	125 113125.32	175 158375.45	225 203625.59	275 248875.72	325 294125.85	375 339375.98	425 384626.11	475 429876.24
24D+2P	26 23608.76	26 23608.76	78 70826.29	130 118043.82	182 165261.34	234 212478.87	286 259696.40	312 283305.16	364 330522.69	416 377740.22	468 424957.75
25D+2P	27 24592.46	27 24592.46	81 73777.38	135 122962.31	189 172147.23	216 196739.70	270 245924.62	324 295109.55	378 344294.47	432 393479.40	459 418071.86
26D+2P	28 28	28 28	84 84	140 140	168 168	224 224	280 280	336 336	364 364	420 420	476 476

**Table 8-129: RAID 6 SATA Disk Drive Capacities (1,000 GB) (Continued)**

Disk Capacity	983.69 G bytes										
	25576.16	25576.16	76728.48	127880.80	153456.96	204609.28	255761.61	306913.93	332490.09	383642.41	434794.73
27D+2P	29	29	87	116	174	232	261	319	377	406	464
	26559.85	26559.85	79679.57	106239.43	159359.15	212478.87	239038.73	292158.45	345278.17	371838.03	424957.75
28D+2P	30	30	90	120	180	240	270	330	360	420	480
	27543.55	27543.55	82630.67	110174.23	165261.34	220348.46	247892.02	302979.13	330522.69	385609.81	440696.93

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates component unit and range when RKAKXs are connected to the RKH/RKHE/RKEH.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKH/RKHE/RKEH.

## RAID 1+0 SATA disk drive capacities (1,000 GB)

**Table 8-130: RAID 1+0 SATA Disk Drive Capacities (1,000 GB)**

Disk capacity	983.69 G bytes										
Unit	RKAKX (Note2)										
Range	1 (Note2)		2	3	4	5	6	7	8	9	10
Total range of Disk drives	Min.	48 (Max)	96	144	192	240	288	336	384	432	480 (Max) (Note3)
2D+2D (Note1)	4	48	96	144	192	240	288	336	384	432	480
	1967.39	23608.76	47217.52	70826.29	94435.05	118043.82	141652.58	165261.34	188870.11	212478.87	236087.64
3D+3D	6	48	96	144	192	240	288	336	384	432	480
	2951.09	23608.76	47217.52	70826.29	94435.05	118043.82	141652.58	165261.34	188870.11	212478.87	236087.64
4D+4D	8	48	96	144	192	240	288	336	384	432	480
	3934.79	23608.76	47217.52	70826.29	94435.05	118043.82	141652.58	165261.34	188870.11	212478.87	236087.64
5D+5D	10	40	90	140	190	240	280	330	380	430	480
	4918.49	19673.97	44266.43	68858.89	93451.35	118043.82	137717.79	162310.25	186902.71	211495.17	236087.64
6D+6D	12	48	96	144	192	240	288	336	384	432	480
	5902.19	23608.76	47217.52	70826.29	94435.05	118043.82	141652.58	165261.34	188870.11	212478.87	236087.64
7D+7D	14	42	84	140	182	238	280	336	378	420	476
	6885.88	20657.66	41315.33	68858.89	89516.56	117060.12	137717.79	165261.34	185919.01	206576.68	234120.24
8D+8D	16	48	96	144	192	240	288	336	384	432	480
	7869.58	23608.76	47217.52	70826.29	94435.05	118043.82	141652.58	165261.34	188870.11	212478.87	236087.64

**Note 1:** D: data disk.

**Note 2:** Indicates component unit and range when RKAKXs are connected to the RKH/RKHE/RKEH.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKH/RKHE/RKEH.

## RAID 1 SATA disk drive capacities (2,000 GB)

**Table 8-131: RAID 1 SATA Disk Drive Capacities (2,000 GB)**

Disk Capacity	1968.52 GB										
Unit	RKAKX (Note2)										
Range	1 (Note2)		2	3	4	5	6	7	8	9	10
Total Range of Disk drives	Min.	48 (Max)	96	144	192	240	288	336	384	432	480 (Max) (Note3)
1D+1D (Note1)	2	48	96	144	192	240	288	336	384	432	480
	1968.52	47244.50	94489.01	141733.51	188978.02	236222.53	283467.03	330711.54	377956.04	425200.55	472445.06

**Note 1:** D: data disk

**Note 2:** Indicates component unit and range when RKAKXs are connected to the RKH/RKHE/RKEH.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKH/RKHE/RKEH.

## RAID 5 SATA disk drive capacities (2,000 GB)

**Table 8-132: RAID 5 SATA Disk Drive Capacities(2,000 GB)**

Disk capacity	1968.52 GB										
Unit	RKAKX (Note2)										
Range	1 (Note2)		2	3	4	5	6	7	8	9	10
Total range of Disk drives	Min.	48 (Max)	96	144	192	240	288	336	384	432	480 (Max) (Note3)
2D+1P (Note1)	3 3937.04	48 62992.67	96 125985.34	144 188978.02	192 251970.69	240 314963.37	288 377956.04	336 440948.72	384 503941.39	432 566934.07	480 629926.74
3D+1P	4 5905.56	48 70866.75	96 141733.51	144 212600.27	192 283467.03	240 354333.79	288 425200.55	336 496067.31	384 566934.07	432 637800.83	480 708667.59
4D+1P	5 7874.08	45 70866.75	95 149607.60	140 220474.36	190 299215.20	240 377956.04	285 448822.80	335 527563.65	380 598430.40	430 677171.25	480 755912.09
5D+1P	6 9842.60	48 78740.84	96 157481.68	144 236222.53	192 314963.37	240 393704.21	288 472445.06	336 551185.90	384 629926.74	432 708667.59	480 787408.43
6D+1P	7 11811.12	42 70866.75	91 153544.64	140 236222.53	189 318900.41	238 401578.30	287 484256.18	336 566934.07	378 637800.83	427 720478.71	476 803156.60
7D+1P	8 13779.64	48 82677.88	96 165355.77	144 248033.65	192 330711.54	240 413389.42	288 496067.31	336 578745.19	384 661423.08	432 744100.97	480 826778.85
8D+1P	9 15748.16	45 78740.84	90 157481.68	144 251970.69	189 330711.54	234 409452.38	288 503941.39	333 582682.24	378 661423.08	432 755912.09	477 834652.94
9D+1P	10 17716.68	40 70866.75	90 159450.20	140 248033.65	190 336617.10	240 425200.55	280 496067.31	330 584650.76	380 673234.21	430 761817.65	480 850401.10
10D+1P	11 19685.21	44 78740.84	88 157481.68	143 255907.74	187 334648.58	231 413389.42	286 511815.48	330 590556.32	374 669297.16	429 767723.22	473 846464.06
11D+1P	12 21653.73	48 86614.92	96 173229.85	144 259844.78	192 346459.71	240 433074.63	288 519689.56	336 606304.49	384 692919.42	432 779534.34	480 866149.27
12D+1P	13 23622.25	39 70866.75	91 165355.77	143 259844.78	182 330711.54	234 425200.55	286 519689.56	325 590556.32	377 685045.33	429 779534.34	468 850401.10
13D+1P	14 25590.77	42 76772.32	84 153544.64	140 255907.74	182 332680.06	238 435043.15	280 511815.48	336 614178.57	378 690950.90	420 767723.22	476 870086.31
14D+1P	15 27559.29	45 82677.88	90 165355.77	135 248033.65	180 330711.54	240 440948.72	285 523626.60	330 606304.49	375 688982.37	420 771660.26	480 881897.44
15D+1P	16 29527.82	48 88583.45	96 177166.89	144 265750.34	192 354333.79	240 442917.24	288 531500.69	336 620084.14	384 708667.59	432 797251.03	480 885834.48

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates component unit and range when RKAKXs are connected to the RKH/RKHE/RKEH.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKH/RKHE/RKEH.

## RAID 6 SATA disk drive capacities (2,000 GB)

Table 8-133: RAID 6 SATA disk drive capacities (2,000 GB)

Disk capacity	1968.52 G bytes										
Unit	RKAKX(*2)										
Range	1 (*2)		2	3	4	5	6	7	8	9	10
Total range of Disk drives	Min.	48 (Max)	96	144	192	240	288	336	384	432	480 (Max) (*3)
2D+2P (*1)	4 3937.04	48 47244.50	96 94489.01	144 141733.51	192 188978.02	240 236222.53	288 283467.03	336 330711.54	384 377956.04	432 425200.55	480 472445.06
3D+2P	5 5905.56	45 53150.06	95 112205.70	140 165355.77	190 224411.40	240 283467.03	285 336617.10	335 395672.73	380 448822.80	430 507878.43	480 566934.07
4D+2P	6 7874.08	48 62992.67	96 125985.34	144 188978.02	192 251970.69	240 314963.37	288 377956.04	336 440948.72	384 503941.39	432 566934.07	480 629926.74
5D+2P	7 9842.60	42 59055.63	91 127953.87	140 196852.10	189 265750.34	238 334648.58	287 403546.82	336 472445.06	378 531500.69	427 600398.93	476 669297.16
6D+2P	8 11811.12	48 70866.75	96 141733.51	144 212600.27	192 283467.03	240 354333.79	288 425200.55	336 496067.31	384 566934.07	432 637800.83	480 708667.59
7D+2P	9 13779.64	45 68898.23	90 137796.47	144 220474.36	189 289372.59	234 358270.83	288 440948.72	333 509846.96	378 578745.19	432 661423.08	477 730321.32
8D+2P	10 15748.16	40 62992.67	90 141733.51	140 220474.36	190 299215.20	240 377956.04	280 440948.72	330 519689.56	380 598430.40	430 677171.25	480 755912.09
9D+2P	11 17716.68	44 70866.75	88 141733.51	143 230316.96	187 301183.72	231 372050.48	286 460633.93	330 531500.69	374 602367.45	429 690950.90	473 761817.65
10D+2P	12 19685.21	48 78740.84	96 157481.68	144 236222.53	192 314963.37	240 393704.21	288 472445.06	336 551185.90	384 629926.74	432 708667.59	480 787408.43
11D+2P	13 21653.73	39 64961.19	91 151576.12	143 238191.05	182 303152.24	234 389767.17	286 476382.10	325 541343.29	377 627958.22	429 714573.15	468 779534.34
12D+2P	14 23622.25	42 70866.75	84 141733.51	140 236222.53	182 307089.28	238 401578.30	280 472445.06	336 566934.07	378 637800.83	420 708667.59	476 803156.60
13D+2P	15 25590.77	45 76772.32	90 153544.64	135 230316.96	180 307089.28	240 409452.38	285 486224.70	330 562997.03	375 639769.35	420 716541.67	480 818904.77
14D+2P	16 27559.29	48 82677.88	96 165355.77	144 248033.65	192 330711.54	240 413389.42	288 496067.31	336 578745.19	384 661423.08	432 744100.97	480 826778.85
15D+2P	17 29527.81	34 59055.63	85 147639.08	136 236222.53	187 324805.97	238 413389.42	272 472445.06	323 561028.50	374 649611.95	425 738195.40	476 826778.85
16D+2P	18 31496.33	36 62992.67	90 157481.68	144 251970.69	180 314963.37	234 409452.38	288 503941.39	324 566934.07	378 661423.08	432 755912.09	468 818904.77
17D+2P	19 33464.85	38 66929.71	95 167324.29	133 234254.00	190 334648.58	228 401578.30	285 501972.87	323 568902.59	380 669297.16	418 736226.88	475 836621.46
18D+2P	20 35433.37	40 70866.75	80 141733.51	140 248033.65	180 318900.41	240 425200.55	280 496067.31	320 566934.07	380 673234.21	420 744100.97	480 850401.10
19D+2P	21 37401.90	42 74803.80	84 149607.60	126 224411.40	189 336617.10	231 411420.90	273 486224.70	336 598430.40	378 673234.21	420 748038.01	462 822841.81
20D+2P	22 39370.42	44 78740.84	88 157481.68	132 236222.53	176 314963.37	220 393704.21	286 511815.48	330 590556.32	374 669297.16	418 748038.01	462 826778.85
21D+2P	23 41338.94	46 82677.88	92 165355.77	138 248033.65	184 330711.54	230 413389.42	276 496067.31	322 578745.19	368 661423.08	414 744100.97	460 826778.85

**Table 8-133: RAID 6 SATA disk drive capacities (2,000 GB)**

Disk capacity	1968.52 G bytes										
22D+2P	24	48	96	144	192	240	288	336	384	432	480
	43307.46	86614.92	173229.85	259844.78	346459.71	433074.63	519689.56	606304.49	692919.42	779534.34	866149.27
23D+2P	25	25	75	125	175	225	275	325	375	425	475
	45275.98	45275.98	135827.95	226379.92	316931.89	407483.86	498035.83	588587.80	679139.77	769691.74	860243.71
24D+2P	26	26	78	130	182	234	286	312	364	416	468
	47244.50	47244.50	141733.51	236222.53	330711.54	425200.55	519689.56	566934.07	661423.08	755912.09	850401.10
25D+2P	27	27	81	135	189	216	270	324	378	432	459
	49213.02	49213.02	147639.08	246065.13	344491.18	393704.21	492130.27	590556.32	688982.37	787408.43	836621.46
26D+2P	28	28	84	140	168	224	280	336	364	420	476
	51181.54	51181.54	153544.64	255907.74	307089.28	409452.38	511815.48	614178.57	665360.12	767723.22	870086.31
27D+2P	29	29	87	116	174	232	261	319	377	406	464
	53150.06	53150.06	159450.20	212600.27	318900.41	425200.55	478350.62	584650.76	690950.90	744100.97	850401.10
28D+2P	30	30	90	120	180	240	270	330	360	420	480
	55118.59	55118.59	165355.77	220474.36	330711.54	440948.72	496067.31	606304.49	661423.08	771660.26	881897.44

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates component unit and range when RKAKXs are connected to the RKH/RKHE/RKEH.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKH/RKHE/RKEH.

## RAID 1+0 SATA disk drive capacities (2,000 GB)

**Table 8-134: RAID 1+0 SATA Disk Drive Capacities (2,000 GB)**

Disk capacity	1968.52 GB										
Unit	RKAKX (Note2)										
Range	1 (Note2)		2	3	4	5	6	7	8	9	10
Total range of Disk drives	Min.	48 (Max)	96	144	192	240	288	336	384	432	480 (Max) (Note3)
2D+2D (Note1)	4	48	96	144	192	240	288	336	384	432	480
	3937.04	47244.50	94489.01	141733.51	188978.02	236222.53	283467.03	330711.54	377956.04	425200.55	472445.06
3D+3D	6	48	96	144	192	240	288	336	384	432	480
	5905.56	47244.50	94489.01	141733.51	188978.02	236222.53	283467.03	330711.54	377956.04	425200.55	472445.06
4D+4D	8	48	96	144	192	240	288	336	384	432	480
	7874.08	47244.50	94489.01	141733.51	188978.02	236222.53	283467.03	330711.54	377956.04	425200.55	472445.06
5D+5D	10	40	90	140	190	240	280	330	380	430	480
	9842.60	39370.42	88583.44	137796.47	187009.50	236222.53	275592.95	324805.97	374019.00	423232.03	472445.06
6D+6D	12	48	96	144	192	240	288	336	384	432	480
	11811.12	47244.50	94489.01	141733.51	188978.02	236222.53	283467.03	330711.54	377956.04	425200.55	472445.06
7D+7D	14	42	84	140	182	238	280	336	378	420	476
	13779.64	41338.94	82677.88	137796.47	179135.41	234254.00	275592.95	330711.54	372050.48	413389.42	468508.01
8D+8D	16	48	96	144	192	240	288	336	384	432	480
	15748.16	47244.50	94489.01	141733.51	188978.02	236222.53	283467.03	330711.54	377956.04	425200.55	472445.06

**Note 1:** D: data disk.

**Note 2:** Indicates component unit and range when RKAKXs are connected to the RKH/RKHE/RKEH.

**Note 3:** Indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKH/RKHE/RKEH.

## RAID 1 SATA disk drive capacities (3,000 GB)

Table 8-135: RAID 1 SATA Disk Drive Capacities (3,000 GB)

Disk Capacity	2953.31 GB										
Unit	RKAKX (Note2)										
Range	1 (Note2)		2	3	4	5	6	7	8	9	10
Total Range of Disk drives	Min.	48 (Max)	96	144	192	240	288	336	384	432	480 (Max) (Note3)
1D+1D (Note1)	2 2953.31	48 70879.44	96 141758.88	144 212638.32	192 283517.77	240 354397.21	288 425276.65	336 496156.09	384 567035.54	432 637914.98	480 708794.42

\*1: D: data disk

\*2: It indicates component unit and range when RKAKXs are connected to the RKH/RKHE/RKEH.

\*3: It indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKH/RKHE/RKEH.

## RAID 5 SATA disk drive capacities (3,000 GB)

Table 8-136: RAID 5 SATA disk drive capacities (3,000 GB)

Disk capacity	2953.31 G bytes										
Unit	RKAKX (*2)										
Range	1		2	3	4	5	6	7	8	9	10
Total range of Disk drives	Min	48 (Max)	96	144	192	240	288	336	384	432	480 (Max) (*3)
2D+1P (*1)	3	48	96	144	192	240	288	336	384	432	480
	5906.62	94505.92	189011.84	283517.77	378023.69	472529.61	567035.54	661541.46	756047.38	850553.31	945059.23
3D+1P	4	48	96	144	192	240	288	336	384	432	480
	8859.93	106319.16	212638.32	318957.49	425276.65	531595.81	637914.98	744234.14	850553.31	956872.47	1063191.63
4D+1P	5	45	95	140	190	240	285	335	380	430	480
	11813.24	106319.16	224451.56	330770.73	448903.13	567035.54	673354.70	791487.10	897806.27	1015938.67	1134071.08
5D+1P	6	48	96	144	192	240	288	336	384	432	480
	14766.55	118132.40	236264.80	354397.21	472529.61	590662.02	708794.42	826926.83	945059.23	1063191.63	1181324.04
6D+1P	7	42	91	140	189	238	287	336	378	427	476
	17719.86	106319.16	230358.18	354397.21	478436.23	602475.26	726514.28	850553.31	956872.47	1080911.50	1204950.52
7D+1P	8	48	96	144	192	240	288	336	384	432	480
	20673.17	124039.02	248078.04	372117.07	496156.09	620195.12	744234.14	868273.17	992312.19	1116351.22	1240390.24
8D+1P	9	45	90	144	189	234	288	333	378	432	477
	23626.48	118132.40	236264.80	378023.69	496156.09	614288.50	756047.38	874179.79	992312.19	1134071.08	1252203.48
9D+1P	10	40	90	140	190	240	280	330	380	430	480
	26579.79	106319.16	239218.11	372117.07	505016.02	637914.98	744234.14	877133.10	1010032.05	1142931.01	1275829.96
10D+1P	11	44	88	143	187	231	286	330	374	429	473
	29533.10	118132.40	236264.80	383930.31	502062.71	620195.12	767860.62	885993.03	1004125.43	1151790.94	1269923.34
11D+1P	12	48	96	144	192	240	288	336	384	432	480
	32486.41	129945.64	259891.28	389836.93	519782.57	649728.22	779673.86	909619.51	1039565.15	1169510.80	1299456.44
12D+1P	13	39	91	143	182	234	286	325	377	429	468
	35439.72	106319.16	248078.04	389836.93	496156.09	637914.98	779673.86	885993.03	1027751.91	1169510.80	1275829.96
13D+1P	14	42	84	140	182	238	280	336	378	420	476
	38393.03	115179.09	230358.18	383930.31	499109.40	652681.53	767860.62	921432.75	1036611.84	1151790.94	1305363.06
14D+1P	15	45	90	135	180	240	285	330	375	420	480
	41346.34	124039.02	248078.04	372117.07	496156.09	661541.46	785580.48	909619.51	1033658.53	1157697.56	1323082.92
15D+1P	16	48	96	144	192	240	288	336	384	432	480
	44299.65	132898.95	265797.90	398696.86	531595.81	664494.77	797393.72	930292.68	1063191.63	1196090.59	1328989.54

# RAID 6 SATA disk drive capacities (3,000 GB)

Table 8-137: RAID 6 SATA disk drive capacities (3,000 GB)

Disk capacity	2953.31 G bytes										
Unit	RKAKX (*2)										
Range	1 (*2)		2	3	4	5	6	7	8	9	10
Total range of Disk drives	Min.	48 (Max)	96	144	192	240	288	336	384	432	480 (Max) (*3)
2D+2P (*1)	4	48	96	144	192	240	288	336	384	432	480
	5906.62	70879.44	141758.88	212638.32	283517.77	354397.21	425276.65	496156.09	567035.54	637914.98	708794.42
3D+2P	5	45	95	140	190	240	285	335	380	430	480
	8859.93	79739.37	168338.67	248078.04	336677.35	425276.65	505016.02	593615.33	673354.70	761954.00	850553.31
4D+2P	6	48	96	144	192	240	288	336	384	432	480
	11813.24	94505.92	189011.84	283517.77	378023.69	472529.61	567035.54	661541.46	756047.38	850553.31	945059.23
5D+2P	7	42	91	140	189	238	287	336	378	427	476
	14766.55	88599.30	191965.15	295331.01	398696.86	502062.71	605428.57	708794.42	797393.72	900759.58	1004125.43
6D+2P	8	48	96	144	192	240	288	336	384	432	480
	17719.86	106319.16	212638.32	318957.49	425276.65	531595.81	637914.98	744234.14	850553.31	956872.47	1063191.63
7D+2P	9	45	90	144	189	234	288	333	378	432	477
	20673.17	103365.85	206731.70	330770.73	434136.58	537502.43	661541.46	764907.31	868273.17	992312.19	1095678.05
8D+2P	10	40	90	140	190	240	280	330	380	430	480
	23626.48	94505.92	212638.32	330770.73	448903.13	567035.54	661541.46	779673.86	897806.27	1015938.67	1134071.08
9D+2P	11	44	88	143	187	231	286	330	374	429	473
	26579.79	106319.16	212638.32	345537.28	451856.44	558175.61	691074.56	797393.72	903712.89	1036611.84	1142931.01
10D+2P	12	48	96	144	192	240	288	336	384	432	480
	29533.10	118132.40	236264.80	354397.21	472529.61	590662.02	708794.42	826926.83	945059.23	1063191.63	1181324.04
11D+2P	13	39	91	143	182	234	286	325	377	429	468
	32486.41	97459.23	227404.87	357350.52	454809.75	584755.40	714701.04	812160.28	942105.92	1072051.56	1169510.80
12D+2P	14	42	84	140	182	238	280	336	378	420	476
	35439.72	106319.16	212638.32	354397.21	460716.37	602475.26	708794.42	850553.31	956872.47	1063191.63	1204950.52
13D+2P	15	45	90	135	180	240	285	330	375	420	480
	38393.03	115179.09	230358.18	345537.28	460716.37	614288.50	729467.59	844646.69	959825.78	1075004.87	1228577.00
14D+2P	16	48	96	144	192	240	288	336	384	432	480
	41346.34	124039.02	248078.04	372117.07	496156.09	620195.12	744234.14	868273.17	992312.19	1116351.22	1240390.24
15D+2P	17	34	85	136	187	238	272	323	374	425	476
	44299.65	88599.30	221498.25	354397.21	487296.16	620195.12	708794.42	841693.38	974592.33	1107491.29	1240390.24
16D+2P	18	36	90	144	180	234	288	324	378	432	468
	47252.96	94505.92	236264.80	378023.69	472529.61	614288.50	756047.38	850553.31	992312.19	1134071.08	1228577.00
17D+2P	19	38	95	133	190	228	285	323	380	418	475
	50206.27	100412.54	251031.35	351443.90	502062.71	602475.26	753094.07	853506.62	1004125.43	1104537.98	1255156.79
18D+2P	20	40	80	140	180	240	280	320	380	420	480
	53159.58	106319.16	212638.32	372117.07	478436.23	637914.98	744234.14	850553.31	1010032.05	1116351.22	1275829.96
19D+2P	21	42	84	126	189	231	273	336	378	420	462
	56112.89	112225.78	224451.56	336677.35	505016.02	617241.81	729467.59	897806.27	1010032.05	1122257.84	1234483.62
20D+2P	22	44	88	132	176	220	286	330	374	418	462
	59066.20	118132.40	236264.80	354397.21	472529.61	590662.02	767860.62	885993.03	1004125.43	1122257.84	1240390.24
21D+2P	23	46	92	138	184	230	276	322	368	414	460
	62019.51	124039.02	248078.04	372117.07	496156.09	620195.12	744234.14	868273.17	992312.19	1116351.22	1240390.24
22D+2P	24	48	96	144	192	240	288	336	384	432	480
	64972.82	129945.64	259891.28	389836.93	519782.57	649728.22	779673.86	909619.51	1039565.15	1169510.80	1299456.44
23D+2P	25	25	75	125	175	225	275	325	375	425	475
	67926.13	67926.13	203778.39	339630.66	475482.92	611335.19	747187.45	883039.72	1018891.98	1154744.25	1290596.51
24D+2P	26	26	78	130	182	234	286	312	364	416	468
	70879.44	70879.44	212638.32	354397.21	496156.09	637914.98	779673.86	850553.31	992312.19	1134071.08	1275829.96
25D+2P	27	27	81	135	189	216	270	324	378	432	459
	73832.75	73832.75	221498.25	369163.76	516829.26	590662.02	738327.52	885993.03	1033658.53	1181324.04	1255156.79

**Table 8-137: RAID 6 SATA disk drive capacities (3,000 GB)**

Disk capacity	2953.31 G bytes										
	26D+2P	28	28	84	140	168	224	280	336	364	420
	76786.06	76786.06	230358.18	383930.31	460716.37	614288.50	767860.62	921432.75	998218.81	1151790.94	1305363.06
27D+2P	29	29	87	116	174	232	261	319	377	406	464
	79739.37	79739.37	239218.11	318957.49	478436.23	637914.98	717654.35	877133.10	1036611.84	1116351.22	1275829.96
28D+2P	30	30	90	120	180	240	270	330	360	420	480
	82692.68	82692.68	248078.04	330770.73	496156.09	661541.46	744234.14	909619.51	992312.19	1157697.56	1323082.92

1: D: data disk, P: parity disk

\*2: It indicates component unit and range when RKAKXs are connected to the RKH/RKHE/RKEH.

\*3: It indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKH/RKHE/RKEH.

## RAID 1+0 SATA disk drive capacities (3,000 GB)

Table 8-138: RAID 1 SATA Disk Drive Capacities (3,000 GB)

Disk Capacity	2953.31 GB										
Unit	RKAKX (Note2)										
Range	1 (Note2)		2	3	4	5	6	7	8	9	10
Total Range of Disk drives	Min.	48 (Max)	96	144	192	240	288	336	384	432	480 (Max) (Note3)
2D+2D	4	48	96	144	192	240	288	336	384	432	480
(*1)	5906.62	70879.44	141758.88	212638.32	283517.77	354397.21	425276.65	496156.09	567035.54	637914.98	708794.42
3D+3D	6	48	96	144	192	240	288	336	384	432	480
	8859.93	70879.44	141758.88	212638.32	283517.77	354397.21	425276.65	496156.09	567035.54	637914.98	708794.42
4D+4D	8	48	96	144	192	240	288	336	384	432	480
	11813.24	70879.44	141758.88	212638.32	283517.77	354397.21	425276.65	496156.09	567035.54	637914.98	708794.42
5D+5D	10	40	90	140	190	240	280	330	380	430	480
	14766.55	59066.20	132898.95	206731.70	280564.46	354397.21	413463.41	487296.16	561128.92	634961.67	708794.42
6D+6D	12	48	96	144	192	240	288	336	384	432	480
	17719.86	70879.44	141758.88	212638.32	283517.77	354397.21	425276.65	496156.09	567035.54	637914.98	708794.42
7D+7D	14	42	84	140	182	238	280	336	378	420	476
	20673.17	62019.51	124039.02	206731.70	268751.21	351443.90	413463.41	496156.09	558175.61	620195.12	702887.80
8D+8D	16	48	96	144	192	240	288	336	384	432	480
	23626.48	70879.44	141758.88	212638.32	283517.77	354397.21	425276.65	496156.09	567035.54	637914	708794.42

\*1: D: data disk

\*2: It indicates component unit and range when RKAKXs are connected to the RKH/RKHE/RKEH.

\*3: It indicates the total range of disk drives in the maximum configuration when RKAKXs are connected to the RKH/RKHE/RKEH.

# RAID capacities - AMS 2500 base unit and high-density expansion unit SAS7.2K drives

## RAID 0 SAS7.2K disk drive capacities (2000 GB)

Table 8-139: RAID 0 SAS7.2K Disk Drive Capacities (2000 GB)

Disk capacity	1956.94 G bytes										
Component unit	RKAKX										
Range	1	2	3	4	5	6	7	8	9	10	
Total range of Disk drives	Min. (*2)	48 (Max)	96	144	192	240 (Max) (*3)	288	336	384	432	480 (Max) (*4)
2D	2	48	96	144	192	240	288	336	384	432	480
(*1)	3913.88	93933.35	187866.70	281800.05	375733.40	469666.75	563600.10	657533.45	751466.80	845400.15	939333.50
3D	3	48	96	144	192	240	288	336	384	432	480
	5870.83	93933.35	187866.70	281800.05	375733.40	469666.75	563600.10	657533.45	751466.80	845400.15	939333.50
4D	4	48	96	144	192	240	288	336	384	432	480
	7827.77	93933.35	187866.70	281800.05	375733.40	469666.75	563600.10	657533.45	751466.80	845400.15	939333.50
5D	5	45	95	140	190	240	285	335	380	430	480
	9784.72	88062.51	185909.75	273972.27	371819.51	469666.75	557729.26	655576.50	743639.02	841486.26	939333.50
6D	6	48	96	144	192	240	288	336	384	432	480
	11741.66	93933.35	187866.70	281800.05	375733.40	469666.75	563600.10	657533.45	751466.80	845400.15	939333.50
7D	7	42	91	140	189	238	287	336	378	427	476
	13698.61	82191.68	178081.97	273972.27	369862.56	465752.86	561643.15	657533.45	739725.13	835615.43	931505.72
8D	8	48	96	144	192	240	288	336	384	432	480
	15655.55	93933.35	187866.70	281800.05	375733.40	469666.75	563600.10	657533.45	751466.80	845400.15	939333.50
9D	9	45	90	144	189	234	288	333	378	432	477
	17612.50	88062.51	176125.03	281800.05	369862.56	457925.08	563600.10	651662.62	739725.13	845400.15	933462.67
10D	10	40	90	140	190	240	280	330	380	430	480
	19569.44	78277.79	176125.03	273972.27	371819.51	469666.75	547944.54	645791.78	743639.02	841486.26	939333.50
11D	11	44	88	143	187	231	286	330	374	429	473
	21526.39	86105.57	172211.14	279843.10	365948.67	452054.25	559686.21	645791.78	731897.35	839529.32	925634.89
12D	12	48	96	144	192	240	288	336	384	432	480
	23483.33	93933.35	187866.70	281800.05	375733.40	469666.75	563600.10	657533.45	751466.80	845400.15	939333.50
13D	13	39	91	143	182	234	286	325	377	429	468
	25440.28	76320.84	178081.97	279843.10	356163.95	457925.08	559686.21	636007.06	737768.19	839529.32	915850.16
14D	14	42	84	140	182	238	280	336	378	420	476
	27397.22	82191.68	164383.36	273972.27	356163.95	465752.86	547944.54	657533.45	739725.13	821916.81	931505.72
15D	15	45	90	135	180	240	285	330	375	420	480
	29354.17	88062.51	176125.03	264187.54	352250.06	469666.75	557729.26	645791.78	733854.30	821916.81	939333.50
16D	16	48	96	144	192	240	288	336	384	432	480
	31311.11	93933.35	187866.70	281800.05	375733.40	469666.75	563600.10	657533.45	751466.80	845400.15	939333.50

**Note 1:** D: data disk.

**Note 2:** Indicates the RKAKXs range. The basic chassis is not included.

**Note 3:** Indicates the maximum RKAKXs range when RKAKXs are connected to the RKS/RKES/RKM/RKEM.

**Note 4:** Indicates the maximum RKAKXs range when RKAKXs are connected to the RKH/RKHE/RKEH.

## RAID 1 SAS7.2K disk drive capacities (2,000 GB)

Table 8-140: RAID 1 SAS7.2K Disk Drive Capacities (2,000 GB)

Disk capacity	1956.94 G bytes										
Component unit	RKAKX										
Range	1	2	3	4	5	6	7	8	9	10	
Total range of Disk drives	Min.	48 (Max)	96	144	192	240 (Max) (*3)	288	336	384	432	480 (Max) (*4)
1D+1D (*1)	2	48	96	144	192	240	288	336	384	432	480
	1956.94	46966.67	93933.35	140900.02	187866.70	234833.37	281800.05	328766.72	375733.40	422700.07	469666.75

**Note 1:** D: data disk.

**Note 2:** Indicates the RKAKXs range. The basic chassis is not included.

**Note 3:** Indicates the maximum RKAKXs range when RKAKXs are connected to the RKS/RKES/RKM/RKEM.

**Note 4:** Indicates the maximum RKAKXs range when RKAKXs are connected to the RKH/RKHE/RKEH.

## RAID 5 SAS7.2K disk drive capacities (2,000 GB)

Table 8-141: RAID 5 SAS7.2K Disk Drive Capacities (2,000 GB)

Disk capacity	1956.94 G bytes										
Component unit	RKAKX										
Range	1 (*2)	2	3	4	5	6	7	8	9	10	
Total range of Disk drives	Min.	48 (Max)	96	144	192	240 (Max) (*3)	288	336	384	432	480 (Max) (*4)
2D+1P (*1)	3 3913.88	48 62622.23	96 125244.46	144 187866.70	192 250488.93	240 313111.16	288 375733.40	336 438355.63	384 500977.87	432 563600.10	480 626222.33
3D+1P	4 5870.83	48 70450.01	96 140900.02	144 211350.03	192 281800.05	240 352250.06	288 422700.07	336 493150.09	384 563600.10	432 634050.11	480 704500.13
4D+1P	5 7827.77	48 70450.01	96 148727.80	144 219177.81	192 297455.61	240 375733.40	288 446183.41	336 524461.20	384 594911.22	432 673189.01	480 751466.80
5D+1P	6 9784.72	48 78277.79	96 156555.58	144 234833.37	192 313111.16	240 391388.96	288 469666.75	336 547944.54	384 626222.33	432 704500.13	480 782777.92
6D+1P	7 11741.66	48 70450.01	96 152641.69	144 234833.37	192 317025.05	240 399216.74	288 481408.42	336 563600.10	384 634050.11	432 716241.79	480 798433.48
7D+1P	8 13698.61	48 82191.68	96 164383.36	144 246575.04	192 328766.72	240 410958.40	288 493150.09	336 575341.77	384 657533.45	432 739725.13	480 821916.81
8D+1P	9 15655.55	48 78277.79	96 156555.58	144 250488.93	192 328766.72	240 407044.51	288 500977.87	336 579255.63	384 657533.45	432 751466.80	480 829744.59
9D+1P	10 17612.50	48 70450.01	96 158512.52	144 246575.04	192 334637.96	240 422700.07	288 493150.09	336 581212.60	384 669275.12	432 757337.63	480 845400.15
10D+1P	11 19569.44	48 78277.79	96 156555.58	144 254402.82	192 332680.61	240 410958.40	288 508805.64	336 587083.44	384 665361.23	432 763208.47	480 841486.26
11D+1P	12 21526.39	48 86105.57	96 172211.14	144 258316.71	192 344422.28	240 430527.85	288 516633.42	336 602739.00	384 688844.57	432 774950.14	480 861055.71
12D+1P	13 23483.33	48 70450.01	96 164383.36	144 258316.71	192 328766.72	240 422700.07	288 516633.42	336 587083.44	384 681016.79	432 774950.14	480 845400.15
13D+1P	14 25440.28	48 76320.84	96 152641.69	144 254402.82	192 330723.67	240 432484.80	288 508805.64	336 610566.77	384 686887.62	432 763208.47	480 864969.60
14D+1P	15 27397.22	48 82191.68	96 164383.36	144 246575.04	192 328766.72	240 438355.63	288 520547.31	336 602739.00	384 684930.68	432 767122.36	480 876711.27
15D+1P	16 29354.17	48 88062.51	96 176125.03	144 264187.54	192 352250.06	240 440312.58	288 528375.09	336 616437.61	384 704500.13	432 792562.64	480 880625.16

**Note 1:** D: data disk, P: parity disk.

**Note 2:** Indicates the RKAKXs range. The basic chassis is not included.

**Note 3:** Indicates the maximum RKAKXs range when RKAKXs are connected to the RKS/RKES/RKM/RKEM.

**Note 4:** Indicates the maximum RKAKXs range when RKAKXs are connected to the RKH/RKHE/RKEH.

# RAID 6 SAS7.2K disk drive capacities (2,000 GB)

Table 8-142: RAID 6 SAS7.2K Disk Drive Capacities (2,000 GB)

Disk capacity	1966.94 G bytes										
Component unit	RKAKX										
Range	1 (#2)		2	3	4	5	6	7	8	9	10
Total range of Disk drives	Min.	48 (Max)	96	144	192	240 (Max) (#3)	288	336	384	432	480 (Max) (#4)
2D+2P (#1)	4	48	96	144	192	240	288	336	384	432	480
	3913.88	46966.67	93933.35	140900.02	187866.70	234833.37	281800.05	328766.72	375733.40	422700.07	469666.75
3D+2P	5	48	96	140	190	240	288	336	380	430	480
	5870.83	52837.50	111545.85	164383.36	223091.70	281800.05	334637.56	393345.90	446183.41	504891.75	563600.10
4D+2P	6	48	96	144	192	240	288	336	384	432	480
	7827.77	62622.23	125244.46	187866.70	250488.93	313111.16	375733.40	438355.63	500977.87	563600.10	626222.33
5D+2P	7	42	91	140	189	238	287	336	378	427	476
	9784.72	58708.34	127201.41	195694.48	264187.54	332680.61	401173.68	469666.75	528375.09	596868.16	665361.23
6D+2P	8	48	96	144	192	240	288	336	384	432	480
	11741.66	70450.01	140900.02	211350.03	281800.05	352250.06	422700.07	493150.09	563600.10	634050.11	704500.13
7D+2P	9	45	90	144	189	234	288	333	378	432	477
	13698.61	68493.06	136986.13	219177.81	287670.88	356163.95	424657.02	493150.09	561643.16	630136.23	698629.30
8D+2P	10	40	90	140	190	240	288	330	380	430	480
	15655.55	62622.23	140900.02	219177.81	297455.61	375733.40	454011.20	532289.00	610566.80	688844.60	767122.40
9D+2P	11	44	88	143	187	231	286	330	374	429	473
	17612.50	70450.01	140900.02	228962.54	299412.55	369862.56	440312.57	510762.58	581212.59	651662.60	722112.61
10D+2P	12	48	96	144	192	240	288	336	384	432	480
	19569.44	78277.79	156555.58	234833.37	313111.16	391388.96	469666.75	547944.54	626222.33	704500.13	782777.92
11D+2P	13	39	91	143	182	234	286	325	377	429	468
	21526.39	64579.17	150684.75	236790.32	301369.50	387475.07	473580.64	559686.21	645791.78	731897.35	817992.92
12D+2P	14	42	84	140	182	238	280	336	378	420	476
	23483.33	70450.01	140900.02	234833.37	305283.38	399216.74	469666.75	563600.10	634050.11	704500.13	798433.48
13D+2P	15	45	90	135	180	240	285	330	375	420	480
	25440.28	76320.84	152641.69	228962.54	305283.38	407044.51	483365.36	559686.21	636007.06	712327.90	814089.03
14D+2P	16	48	96	144	192	240	288	336	384	432	480
	27397.22	82191.68	164383.36	246575.04	328766.72	410958.40	493150.09	575341.77	657533.45	739725.13	821916.81
15D+2P	17	34	85	136	187	238	272	323	374	425	476
	29354.17	58708.34	146770.86	234833.37	322895.89	410958.40	499666.75	577729.26	645791.78	733854.30	821916.81
16D+2P	18	36	90	144	180	234	288	324	378	432	468
	31311.11	62622.23	156555.58	250488.93	313111.16	407044.51	500977.87	594911.22	688844.57	782777.92	876711.27
17D+2P	19	38	95	133	190	228	285	323	380	418	475
	33268.06	66536.12	166340.30	232876.43	332680.61	399216.74	499020.92	565557.04	665361.23	731897.35	831701.54
18D+2P	20	40	80	140	180	240	280	320	380	420	480
	35225.00	70450.01	140900.02	246575.04	317025.05	422700.07	493150.09	563600.10	669275.12	739725.13	845400.15
19D+2P	21	42	84	126	189	231	273	336	378	420	462
	37181.95	74363.90	148727.80	223091.70	334637.56	409001.46	483365.36	594911.22	669275.12	743639.02	818002.92
20D+2P	22	44	88	132	176	220	286	330	374	418	462
	39138.89	78277.79	156555.58	234833.37	313111.16	391388.96	508805.64	587083.44	665361.23	743639.02	821916.81
21D+2P	23	46	92	138	184	230	276	322	368	414	460
	41095.84	82191.68	164383.36	246575.04	328766.72	410958.40	493150.09	575341.77	657533.45	739725.13	821916.81
22D+2P	24	48	96	144	192	240	288	336	384	432	480
	43052.78	86105.57	172211.14	258316.71	344422.28	430527.85	516633.42	602739.00	688844.57	774950.14	861055.71
23D+2P	25	25	75	125	175	225	275	325	375	425	475
	45009.73	45009.73	135029.19	225048.65	315068.11	405087.57	495107.03	585126.49	675145.95	765165.41	855184.88
24D+2P	26	26	78	130	182	234	286	312	364	416	468
	46966.67	46966.67	140900.02	234833.37	328766.72	422700.07	516633.42	563600.10	657533.45	751466.80	845400.15
25D+2P	27	27	81	135	189	216	270	324	378	432	459
	48923.62	48923.62	146770.86	244618.10	342465.34	391388.96	489236.20	587083.44	684930.68	782777.92	831701.54
26D+2P	28	28	84	140	188	224	280	336	364	420	476
	50880.56	50880.56	152641.69	254402.82	305283.38	407044.51	508805.64	610566.77	661447.34	763208.47	864969.60
27D+2P	29	29	87	116	174	232	261	319	377	406	464
	52837.50	52837.50	158512.52	211350.03	317025.05	422700.07	475537.58	581212.60	686887.62	739725.13	845400.15
28D+2P	30	30	90	120	180	240	270	330	360	420	480
	54794.45	54794.45	164383.36	219177.81	328766.72	438355.63	493150.09	602739.00	657533.45	767122.36	876711.27

Note 1: D: data disk, P: parity disk.

Note 2: Indicates the RKAKXs range. The basic chassis is not included.

Note 3: Indicates the maximum RKAKXs range when RKAKXs are connected to the RKS/RKES/RKM/RKEM.

Note 4: Indicates the maximum RKAKXs range when RKAKXs are connected to the RKH/RKHE/RKEH.

## RAID 1+0 SAS7.2K disk drive capacities (2,000 GB)

Table 8-143: RAID 1+0 SAS7.2K Disk Drive Capacities (2,000 GB)

Disk capacity	1956.94 G bytes										
Component unit	RKAKX										
Range	1 (*2)		2	3	4	5	6	7	8	9	10
Total range of Disk drives	Min.	48 (Max)	96	144	192	240 (Max) (*3)	288	336	384	432	480 (Max) (*4)
2D+2D	4	48	96	144	192	240	288	336	384	432	480
(*1)	3913.88	46966.67	93933.35	140900.02	187866.70	234833.37	281800.05	328766.72	375733.40	422700.07	469666.75
3D+3D	6	48	96	144	192	240	288	336	384	432	480
	5870.83	46966.67	93933.35	140900.02	187866.70	234833.37	281800.05	328766.72	375733.40	422700.07	469666.75
4D+4D	8	48	96	144	192	240	288	336	384	432	480
	7827.77	46966.67	93933.35	140900.02	187866.70	234833.37	281800.05	328766.72	375733.40	422700.07	469666.75
5D+5D	10	40	90	140	190	240	280	330	380	430	480
	9784.72	39138.89	88062.51	136986.13	185909.75	234833.37	273972.27	322895.89	371819.51	420743.13	469666.75
6D+6D	12	48	96	144	192	240	288	336	384	432	480
	11741.66	46966.67	93933.35	140900.02	187866.70	234833.37	281800.05	328766.72	375733.40	422700.07	469666.75
7D+7D	14	42	84	140	182	238	280	336	378	420	476
	13698.61	41095.84	82191.68	136986.13	178081.97	232876.43	273972.27	328766.72	369862.56	410958.40	465752.86
8D+8D	16	48	96	144	192	240	288	336	384	432	480
	15655.55	46966.67	93933.35	140900.02	187866.70	234833.37	281800.05	328766.72	375733.40	422700.07	469666.75

**Note 1:** D: data disk.

**Note 2:** Indicates the RKAKXs range. The basic chassis is not included.

**Note 3:** Indicates the maximum RKAKXs range when RKAKXs are connected to the RKS/RKES/RKM/RKEM.

**Note 4:** Indicates the maximum RKAKXs range when RKAKXs are connected to the RKH/RKHE/RKEH.



# Regulatory information

This appendix includes a comprehensive set of specifications for the Hitachi AMS 2000 Family Storage System described in this manual. The Regulatory Compliance section includes a table of regulatory specifications that are met by the Hitachi AMS 2000 Family Storage System. Following the table are individual regulatory statements that explain the requirements of various countries.

This appendix includes the following topics:

- [Regulatory compliance](#)
- [US FCC notice and/or Declaration of Conformity](#)
- [Canadian DoC notice](#)
- [European Declaration of Conformity](#)
- [Notice of export controls](#)
- [China RoHS](#)
- [Disposal](#)
- [Recycling](#)

## Regulatory compliance

This equipment has been tested and certificated for the following standards.

**Table A-1: Regulatory Compliance**

Standard	Specification	Mark on the product	Country
Electronic emission control	Fibre ChannelC Part15 Subpart B Class A	Yes (Fibre ChannelC)	U.S.A
Radio inteference voluntary control	VCCI Class A	Yes (VCCI)	Japan
Limits for harmonic current emissions	JIS C61000-3-2	None	Japan
Electronic emission control	ICES-003 Class A	Yes (ICES-003)	Canada
Electronic emission control	AS/NZS 3548:1995,A1,A2	None	Australia
Electronic emissions certification	EN 50022:1998/A1:2000/A2:2003	Yes (CEmarking)	EU
	EN 61000-3-2:2000/A1:2001/A2:2005		
	EN 61000-3-3:1995/A1:2001		
	EN 55024:1998/A1:2001/A2:2003		
	EN 61000-4-2:1995/A1:1998/A2:2001		
	EN 61000-4-3:2002/A2:2002		
	EN 61000-4-4:1995/A1:2001/A2:2003		
	EN 61000-4-5:1995A1:2001		
	EN 61000-4-6:1996/A1:2001		
	EN 61000-4-8:1993/A1:2001		
EN 61000-4-11:1994/A1:2001			
Electronic emission control	CNS 13438 Class A	Yes (BSMI)	Taiwan
Electronic emission control	KN22	Yes (RRL)	Korea
	KN6100-4		
Safety certification	UL 60950-1	Yes (TUV)	EU/U.S.A
	CAN/CSA-C22.2		
Safety certification	EN 60950-1	Yes (GS)	EU
Safety certification	GOST R60950-2002	Yes (GOST)	Russia
	GOST R51318.22-99		
	GOST R51318.24-99		
	GOST R51317.3.2-99		
	GOST R51317.3.3-99		
Safety certification	IEC 60950-1	Yes(IRAM)	Argentina

# US FCC notice and/or Declaration of Conformity

## FCC Notice

### Federal Communications Commission

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case users will be required to correct the interference at their own expense.

Testing was done with shielded cables. Therefore, in order to comply with the FCC regulations, you must use shielded cables with your installation.

The EMI test was done in the following configuration:

DF800-RKS/RKM+RKAK(4)+RK40

If trouble occurs in another configuration, a user may be requested to take appropriate preventive measures.

## Canadian DoC notice

### DOC Notice

#### Canadian Department of Communications

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulation of the Canadian Department of Communications. Operation in a residential area may cause unacceptable interference to radio and TV reception requiring the owner or operator to take whatever steps are necessary to correct the interference.

Cet équipement ne dépasse pas les limites de Classe A d'émission de bruits radioélectriques pour les appareils numériques, telles que prescrites par le Règlement sur le brouillage radioélectrique établi par le Ministère des Communications du Canada. L'exploitation faite en milieu résidentiel peut entraîner le brouillage de réceptions radio et télé, ce qui obligerait le propriétaire ou l'opérateur à prendre les dispositions nécessaires pour en éliminer les causes.

## European Declaration of Conformity



**Warning** This equipment complies with the requirements relating to electromagnetic compatibility, EN 55022 class A for ITE, the essential protection requirement of Council Directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

## Notice of export controls

Export of technical data contained in this document may require an export license from the United States government and/or the government of Japan. Contact the Hitachi Legal Department for any export compliance questions.

## China RoHS



This symbol is used to display requirements for controlling pollution by regulating the disposal of electronic products.

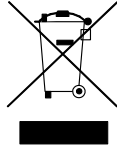
## Hazardous and toxic substances

**Table A-2: Hazardous and Toxic Substances**

Toxic and Hazardous Substances and Elements						
Unit	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr(VI))	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
<b>Base Unit</b>	X	○	○	○	○	○
<b>Expansion Unit</b>	X	○	○	○	○	○

The Symbol ○ indicates that this toxic or hazardous substances contained in all of the homogeneous materials for this part is below this limit requirement in SJ/T 11363-2006.  
 The symbol X indicates that this toxic or hazardous substances contained in at least one of the homogeneous materials used for this part is above the limit requirement in SJ/T 11363-2006.

## Disposal



**NOTE:** This symbol on the product or on its packaging means that your electrical and electronic equipment should be disposed at the end of life separately from household wastes.

There are separate collection systems for recycling EU and many cities in the USA. For more information, please contact the local authority or the dealer where you purchased the product.

## Recycling

The cache backup battery unit includes a nickel-hydrate battery. A nickel-hydrate battery should be recycled when it is no longer usable. When you replace the battery unit, do not dispose of the old one in the trash. Please recycle the battery instead.

The mark posted on the battery unit is a three-arrow mark that means a recyclable part.







# Glossary

This glossary provides definitions of general storage networking terms as well as specific terms related to the technology that supports a Hitachi AMS 2000 Family Storage System. Click the letter of the glossary section to display that page.

#	<a href="#">A</a>	<a href="#">B</a>	<a href="#">C</a>	<a href="#">D</a>	<a href="#">E</a>	<a href="#">F</a>	<a href="#">G</a>	<a href="#">H</a>	<a href="#">I</a>	<a href="#">J</a>	<a href="#">K</a>	<a href="#">L</a>	<a href="#">M</a>	<a href="#">N</a>	<a href="#">O</a>	<a href="#">P</a>	<a href="#">Q</a>	<a href="#">R</a>	<a href="#">S</a>	<a href="#">T</a>	<a href="#">U</a>	<a href="#">V</a>	<a href="#">W</a>	<a href="#">X</a>	<a href="#">Y</a>	<a href="#">Z</a>
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## #

### 1000Base-T

A specification for Gigabit Ethernet over copper wire. The standard defines 1 Gbps data transfer over distances of up to 100 meters using four pairs of Category 5 balanced copper cabling and a 5-level coding scheme.

## A

### AES

Advanced Encryption Standard. An advanced encryption standard system adopted by the US government.

### Array

A set of hard disks grouped logically together to function as one contiguous storage space.

### ATA

Advanced Technology Attachment. A disk drive implementation that integrates the controller on the disk drive.

## B

### BIOS

Basic Input Output System. Built-in software code that determines the functions that a computing device can perform without accessing programs from a disk.

### Bps

Bits per second. The standard measure of data transmission speeds.

## C

### Cache

A temporary, high-speed storage mechanism. It is a reserved section of main memory or an independent high-speed storage device. Two types of caching are found in computers: memory caching and disk caching. Memory caches are built into the architecture of microprocessors and often computers have external cache memory. Disk caching works like memory caching; however, it uses slower, conventional main memory that on some devices is called a memory buffer.

#	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
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## Capacity

The amount of information (usually expressed in megabytes) that can be stored on a disk drive. It is the measure of the potential contents of a device; the volume it can contain or hold. In communications, capacity refers to the maximum possible data transfer rate of a communications channel under ideal conditions.

## Challenge Handshake Authentication Protocol

A security protocol that requires users to enter a secret for access.

## CHAP

See Challenge Handshake Authentication Protocol.

## D

### DHCPv4

Dynamic Host Configuration Protocol version 4. Allows a computer to join an IP-based network without having a pre-configured IPv4 address. DHCPv4 is a protocol that assigns unique IP addresses to devices, then releases and renews these addresses as devices leave and re-join the network.

### Duplex

The transmission of data in either one or two directions. Duplex modes are full-duplex and half-duplex. Full-duplex is the simultaneous transmission of data in two direction. For example, a telephone is a full-duplex device, because both parties can talk at once. In contrast, a walkie-talkie is a half-duplex device because only one party can transmit at a time.

## F

### Fabric

The hardware that connects workstations and servers to storage devices in a SAN. The SAN fabric enables any-server-to-any-storage device connectivity through the use of Fibre Channel switching technology.

### Firmware

Software embedded into a storage device. It may also be referred to as Microcode.

### Full-duplex

The concurrent transmission and the reception of data on a single link.

#	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
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## G

### Gbps

Gigabit per second.

## H

### HBA

Host Bus Adapter. A circuit board and/or integrated circuit adapter installed in a workstation or server that provides input/output processing and physical connectivity between a server and a storage device. An iSCSI HBA implements the iSCSI and TCP/IP protocols in a combination of a software storage driver and hardware.

### HDD

Hard disk drive.

## I

### Initiator

A system component that originates an I/O command over an I/O bus or network, such as an I/O adapters or network interface cards.

### I/O

Input/output.

### IP

Internet Protocol. Specifies the format of packets and addressing scheme. Most networks combine IP with a higher-level protocol called Transmission Control Protocol (TCP), which establishes a virtual connection between a destination and a source.

### IP address

An identifier for a computer or device on a TCP/IP network. Networks using the TCP/IP protocol route messages based on the IP address of the destination. The format of an IP address is a 32-bit numeric address written as four numbers separated by periods. Each number can be zero to 255 (for example, 192.168.0.200). The current main address is IPv4 (Internet Protocol Address Version 4) and the next-generation address is IPv6 (Internet Protocol address Version 6).

### IP-SAN

Block-level Storage Area Networks over TCP/IP using the iSCSI protocol.

#	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
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## **iSCSI**

Internet SCSI. An IP-based standard for connecting data storage devices over a network and transferring data using SCSI commands over IP networks. iSCSI enables a Storage Area Network to be deployed in a Local Area Network.

## **iSNS**

Internet Storage Name Service. A protocol that allows automated discovery, management and configuration of iSCSI devices on a TCP/IP network.

## **L**

### **LAN**

Local Area Network. A computer network that spans a relatively small area, such as a single building or group of buildings.

### **Loopback address**

Loopback address is virtual address that means itself in network. In case of IPv4 uses "127.0.0.1", in case of IPv6 uses "::1". Also "local host" is used as the host name conventionally.

### **LU**

Logical Unit.

### **LUN**

Logical Unit Number.

## **M**

### **Middleware**

Software that connects two otherwise separate applications. For example, a middleware product can be used to link a database system to a Web server. Using forms, users request data from the database; then, based on the user's requests and profile, the Web server returns dynamic Web pages to the user.

## **N**

### **NIC**

Network Interface Card. An expansion board in a computer that allows the computer to connect to a network

#	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
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## R

### RAID

Redundant Array of Independent Disks. A disk array in which part of the physical storage capacity is used to store redundant information about user data stored on the remainder of the storage capacity. The redundant information enables regeneration of user data in the event that one of the array's member disks or the access path to it fails.  
SNIA.

### RAID 6

An extension of the RAID 5 array that allows for two simultaneous drive failures without downtime or data loss.

recovery point objective (RPO)  
After a recovery operation, the recovery point objective (RPO) is the maximum desired time period, prior to a disaster, in which changes to data may be lost. This measure determines up to what point in time data should be recovered. Data changes preceding the disaster are preserved by recovery.

## S

### SAN

Storage Area Network. A network of shared storage devices that contain disks for storing data.

### SAS

Serial Attached SCSI. An evolution of parallel SCSI into a point-to-point serial peripheral interface in which controllers are linked directly to disk drives. SAS delivers improved performance over traditional SCSI because SAS enables up to 128 devices of different sizes and types to be connected simultaneously.

### SATA

Serial ATA is a computer bus technology primarily designed for the transfer of data to and from hard disks and optical drives. SATA is the evolution of the legacy Advanced Technology Attachment (ATA) interface from a parallel bus to serial connection architecture.

### SCSI

Small Computer System Interface. A parallel interface standard that provides faster data transmission rates than standard serial and parallel ports.

### Session

A series of communications or exchanges of data between two end points that occurs during the span of a single connection. The session

#	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
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begins when the connection is established at both ends, and terminates when the connection is ended. For some applications each session is related to a particular port. In this document a session is the exchange of data between groups of primary and secondary volumes.

## **SMTP**

Simple Mail Transfer Protocol. A protocol used to receive and store email data directly from email servers.

## **Software initiator**

A software application initiator communicates with a target device. A software initiator does not require specialized hardware because all processing is done in software, using standard network adapters.

## **SSD**

Solid State Disk (drive). A data storage device that uses solid-state memory to store persistent data. An SSD emulates a hard disk drive interface, thus easily replacing it in most applications.

## **Storage Navigator Modular 2**

A multi-featured scalable storage management application that is used to configure and manage the storage functions of Hitachi arrays. Also referred to as "Navigator 2".

## **Subnet**

In computer networks, a subnet or subnetwork is a range of logical addresses within the address space that is assigned to an organization. Subnetting is a hierarchical partitioning of the network address space of an organization (and of the network nodes of an autonomous system) into several subnets. Routers constitute borders between subnets. Communication to and from a subnet is mediated by one specific port of one specific router, at least momentarily. SNIA.

## **Switch**

A network infrastructure component to which multiple nodes attach. Unlike hubs, switches typically have internal bandwidth that is a multiple of link bandwidth, and the ability to rapidly switch node connections from one to another. A typical switch can accommodate several simultaneous full link bandwidth transmissions between different pairs of nodes. SNIA.

## **T**

### **Target**

Devices that receive iSCSI requests that originate from an iSCSI initiator.

#	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
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## TOE

A dedicated chip or adapter that handles much of the TCP/IP processing directly in hardware. TCP/IP transmission is inherently a CPU-intensive operation. Therefore, using dedicated hardware that can operate in parallel with the main processor allows for superior system performance. Although all iSCSI HBAs have a TOE, a generic TOE only implements TCP/IP, while an iSCSI HBA implements the iSCSI protocol in addition to TCP/IP.

#	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
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## **Hitachi Data Systems**

### **Corporate Headquarters**

2845 Lafayette Street  
Santa Clara, California 95050-2639  
U.S.A.

[www.hds.com](http://www.hds.com)

### **Regional Contact Information**

#### **Americas**

+1 408 970 1000

[info@hds.com](mailto:info@hds.com)

#### **Europe, Middle East, and Africa**

+44 (0)1753 618000

[info.emea@hds.com](mailto:info.emea@hds.com)

#### **Asia Pacific**

+852 3189 7900

[hds.marketing.apac@hds.com](mailto:hds.marketing.apac@hds.com)



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