

## Enterprise & Mission-Critical Serial Attached-SCSI (SAS) RAID System

R-STOR 3200S series, compact, rugged, reliable and high performance at work!



RS-3200S Server solutions with Serial Attached SCSI controller supporting RAID 0, 1, 5, 6, 10, 50, JBOD and the Adaptec Advanced Data Protection Suite with RAID 1E, 5EE, 6, 60, Copy back Hot Spare and optional Snapshot Backup for pedestal, and high-density applications.

<b>Benefits</b>	High-performance storage connectivity and data protection for servers and workstations	
<b>Customer Applications</b>	RS-3200 SAS series RAID storage is Ideal for supporting server and workgroup applications where high levels of sustained read and write operations are required, such as video streaming, web content, video-on-demand, security and surveillance, fixed content, and reference data storage.	
<b>System Environment</b>	Departmental and workgroup servers and workstations	

<b>Key RAID Features</b>	Hot spares, RAID Level Migration, Online Capacity Expansion, Optimized Disk Utilization, and the following Adaptec Advanced Data Protection Suite features: Striped Mirror (RAID 1E) Hot Space (RAID 5EE) Dual Drive Failure Protection (RAID 6, 60) Copy back Hot Spare	
<b>Bus System Interface Type</b>	PCI-X 64-bit/133 MHz host interface	
<b>External Connectors</b>	One x 4 SAS connector For External SAS Host connection	
<b>Internal Connectors</b>	Two x 4 SAS connectors	
<b>Data Transfer Rate</b>	Up to 3Gb/s per port.	

## Features:

### Supports RAID 6

- RS-3200 supports RAID 6 or 8 enhanced performance. RAID 6 is essentially an extension of RAID 5 which implements a second independent distributed parity scheme. RAID 6 can handle the failure of any two drives in the array while other single RAID levels can handle at most one fault. It provides the highest level ever of data protection without sacrifice the performance.

### SATAII Disk Interface

- The next generation Hard disk drive (3Gbps performance) with features such as native command queuing (NCQ).

### Convenient Modularized Architecture

- R-STOR series is a fully modularized design that replaces all the cables with connectors. RAID Controller, cooling fans, disk drive, and power supply can be easily swapped to minimize the down time of the RAID service.

### EZSecure Lock

- The user-friendly lock is designed with keyless and secure 2 steps safety measurement to prevent accidental removal of the hard drive.

### Smart Redundant fan

- Striking the balance between thermal and acoustics, CePOINT's smart redundant fan operates at a highly efficient cooling mechanism. The design of the 2 linear redundant fans in a module works more efficient to ventilate the heat out from the rear.

## Specifications

Model	RS-3206	RS-3208	RS-3212
RAID Engine	Intel Pentium X86 Dual-core OR AMD Opteron/Athlon		
Controller#	SATA-I/II   SAS  SCSI (options in all the series)		
RAID Levels	0,1,5,6,,50,60,NRAID and JBOD		
Cache Support (Write back)	Up to 2GB of 64-bit DDR 333 SDRAM		
System Type	Rack mountable 2U/3U		
Host Interface	Dual Ultra 320 SCSI Channels		
Disk Interface	SATA II  SAS  SCSI (options-all series)		

Host Transfer Rate	320MB/sec per channel	
No. of Disk Drives	6	8
Disk Activity/Failure LED Display	Yes available in all the RS-models	
Hot Swap and redundant	Yes (Power Supply, Hard Disk Drive & Fan)	
Hot Spare	Yes	
Battery Back-Up Module	Optional, Supporting 72 hours battery back-up time	
LAN	Web browser-based RAID manager via build in 10/100 Ethernet port	
Array Management Support	Yes.	
Automatic Bad-Sector & Error Recovery	Yes.	
Automatic Drive Rebuilds	Yes. Automatic Data rebuilds.	
Audible Alarm, Pager and Fax Notification	Yes	
Remote Terminal Configuration	Yes. Through RS-232 or 10/100 Ethernet port	
Operating Systems	Windows XP/2000/2003, Linux, Unix, Sun	
Power Supply	Redundant by Dual 375W Power modules with PFC feature, Loading Sharing type and cable-less design.	Redundant by Dual 460W Power modules with PFC feature, Loading Sharing type and cable-less design.
Electrical	AC Voltage 110-230 VAC/AC Frequency 50-60Hz	
Temperature	Operating Temperature : 10 to 35 degree C.	
Relative Humidity	20% to 80% non-condensing	
Dimensions	446.4(W) x 88.8(H) x 527(D)	446.4mm(W) x 132.4mm(H) x 482mm(D)

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