

# EPICa

## EP - 2243-S6S6

2U 6Gb SAS – 6Gb SAS RAID Subsystem



The EP-2243-S6S6 RAID subsystem features 6Gb SAS host performance to increase system efficiency and performance. It features high capacity expansion, with 24 hot-swappable SAS2/SATA3 hard disk drive bays in a 19-inch 2U rackmount unit, scaling to a maximum storage capacity in the terabyte range.

### Highest Density Available

- 2U chassis with 24 bays carriers
- Support the latest 2.5" enterprise class SAS/SATA disk drives

### Unsurpassed Data Availability

- RAID 6 capability provides the highest level of data protection
- Expansion capability up to 4 enclosures – total of 96 drives

### Unparalleled Energy Saving

- Low power consumption & Low heat production
- MAID 2.0 20%~60% power savings

### Exceptional Manageability

- The firmware-embedded Web Browser-based RAID manager allows local or remote management and configuration
- The firmware-embedded SMTP manager monitors all system events and user notification automatically
- The firmware-embedded SNMP agent allows remote to monitor events via LAN with no SNMP agent required
- Menu-driven front panel display
- Innovative Modular architecture

### Feature

- Supports RAID levels 0, 1, 10(1E), 3, 5, 6, 30, 50, 60 and JBOD
- Supports online array roaming
- Online RAID level/stripe size migration
- Online capacity expansion and RAID level migration simultaneously
- Support global and dedicated hot spare
- Online volume set expansion
- Support multiple array enclosures per host connection
- Greater than 2TB per volume set (64-bit LBA support)
- Greater than 2TB per disk drive
- Supports 4K bytes/sector for Windows up to 16TB per volume set
- Disk scrubbing/ array verify scheduling for automatic repair of all configured RAID sets
- Login record in the event log with IP address and service (http, telnet and serial)
- Support intelligent power management to save energy and extend service life
- Support NTP protocol to synchronize RAID controller clock over the on-board LAN port
- Max 128 LUNs (volume set) per controller
- Transparent data protection for all popular operating systems
- Instant availability and background initialization
- Supports S.M.A.R.T, NCQ and OOB staggered Spin-up capable drives
- Supports hot spare and automatic hot rebuild
- Local audible event notification alarm
- Redundant flash image for high availability
- Real time clock support



## Series Technical Specifications

<b>Model</b>	<b>EP-2243-S6S6</b>
<b>RAID controller</b>	6Gb SAS – 6Gb SAS
<b>Host interface</b>	Two 6Gb/s SAS (SFF-8088)
<b>Disk interface</b>	6Gb/s SAS, 6Gb/s SATA
<b>SAS expansion</b>	One 6Gb/s SAS (SFF-8088)
<b>Capacity</b>	
- Direct attached	24 Disks
- Expansion	Up to 96 Disks
<b>Processor type</b>	800MHz RAID-On-Chip storage processor
<b>Cache memory</b>	1GB ~ 4GB DDR2-800 ECC Registered SDRAM
<b>Battery backup</b>	Optional
<b>Management port support</b>	Yes
<b>Monitor port support</b>	Yes
<b>RAID Features</b>	
<b>RAID level</b>	0, 1, 10(1E), 3, 5, 6, 30, 50, 60 and JBOD
<b>Array group</b>	Up to 128
<b>LUNs</b>	Up to 128
<b>Hot spare</b>	Yes
<b>Drive roaming</b>	Yes
<b>Online rebuild</b>	Yes
<b>Variable stripe size</b>	Yes
<b>E-mail notification</b>	Yes
<b>Online capacity expansion,</b>	
<b>RAID level / stripe size migration</b>	Yes
<b>Online array roaming</b>	Yes
<b>Online consistency check</b>	Yes
<b>SMTP manager and SNMP agent</b>	Yes
<b>Redundant Flash image</b>	Yes
<b>Instant availability and</b>	
<b>background initialization</b>	Yes
<b>S.M.A.R.T. support</b>	Yes
<b>MAID 2.0</b>	Yes
<b>Bad block auto-remapping</b>	Yes
<b>Enclosure</b>	
<b>Platform</b>	Rackmount
<b>Form factor</b>	2U
<b># of hot swap trays</b>	24 (2.5")
<b>Disk status indicator</b>	Access / Fail LED
<b>Backplane</b>	SAS2 / SATA3 Single BP
<b># of PS / Fan modules</b>	400W x 2 w/PFC
<b># of fans</b>	2
<b>Power requirements</b>	AC 90V ~ 264V Full range 8A ~ 4A, 47Hz ~ 63Hz
<b>Environmental</b>	
<b>Relative humidity</b>	10% ~ 85% Non-condensing
<b>Operating temperature</b>	10°C ~ 40°C (50°F ~ 104°F)
<b>Physical dimension</b>	559(D) x 483(W) x 88(H) mm
<b>Weight (Without disk)</b>	14 kg

Specification is subject to change without notice.  
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