EPICa

EP - 4423-S6S6

4U 6Gb SAS – 6Gb SAS RAID Subsystem

The EP-4423-S6S6 RAID subsystem features 6Gb SAS host performance to increase system efficiency and performance. It features high capacity expansion, with 42 hot-swappable SAS2/SATA3 hard disk drive bays in a 19-inch 4U rackmount unit, scaling to a maximum storage capacity in the terabyte range.

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

Model	EP-4423-S6S6
RAID controller	6Gb SAS – 6Gb SAS
Host interface	Two 6Gb/s SAS (SFF-8088)
Disk interface	6Gb/s SAS, 6Gb/s SATA
SAS expansion	One 6Gb/s SAS (SFF-8088)
Capacity	
- Direct attached	42 Disks
- Expansion	Up to 126 Disks
Processor type	800MHz RAID-On-Chip storage processor
Cache memory	1GB ~ 4GB DDR2-800 ECC Registered SDRAM
Battery backup	Optional
Management port support	Yes
RAID features	
RAID level	0, 1,10(1E), 3, 5, 6, 30, 50, 60 and JBOD
Array group	Up to 128
LUNs	Up to 128
Hot spare	Yes
Drive roaming	Yes
Online rebuild	Yes
Variable stripe size	Yes
E-mail notification	Yes
Online capacity expansion, RAID level / stripe size migration	Yes
Online array roaming	Yes
Online consistency check	Yes
SMTP manager and SNMP agent	Yes
Redundant Flash image	Yes
Instant availability and background initialization	Yes
S.M.A.R.T. support	Yes
MAID 2.0	Yes
Bad block auto-remapping	Yes
Enclosure	
Platform	Rackmount
Form factor	4U
# of hot swap trays	42
Tray lock	Yes
Disk status indicator	Access / Fail LED
Backplane	SAS2 / SATA3
# of PS / Fan modules	1100W x 2 w/PFC
# of Fans	11
Power requirements	AC 90V ~ 254V Full range, 50Hz~60Hz
Environmental	
Relative humidity	10% ~ 85% Non-condensing
Operating temperature	10°C ~ 40°C (50°F ~ 104°F)
Physical dimension	810(L) x 482.6(W) x 176(H) mm
Weight (Without disk)	48.5 Kg

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