EPICa

EP-1403-SA3
EP-1403-S3A3

**1U 4bays, SCSI U320 - SATAII ,
SAS - SATAII RAID Subsystem**

The Most cost-effective SATA II RAID Subsystem, the EP-1403 Series RAID subsystem features SCSI U320 or 3Gb SAS host interface to increase system efficiency and performance. It carries 4 hot-swappable SATA II hard disk drive bays in a 19-inch 1U rackmount unit, scaling the storage capacity of server in the terabyte range, provides a fast and easy way to install and upgrade your storage.

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

Feature

- Supports RAID levels 0 , 1 , 10(1E) , 3 , 5 , 6 and JBOD
- Supports online array roaming
- Online RAID level/stripe size migration
- Online capacity expansion and RAID level migration simultaneously
- Online volume set expansion
- Supports multiple array enclosures per host connection
- Supports greater than 2TB per volume set
- Transparent data protection for all popular operating systems
- RAID ADG provides the highest level of data protection
- Instant availability and background initialization
- Supports S.M.A.R.T, NCQ and OOB staggered Spin-up capable drives
- Local audible event notification alarm.
- Supports password protection
- Redundant flash image for high availability
- Support spin down drives when not in use to extend service (MAID)
- Supports bad blocks auto remapping and schedule volume check
- Supports hot spare and automatic hot rebuild

Series Technical Specifications

Model	EP-1403-SA3	EP-1403-S3A3
RAID Controller		
RAID processor	Intel IOP348 64 bit RISC	Intel IOP348 64 bit RISC
Cache memory	512MB ~ 4GB DDR2 ECC SDRAM	512MB ~ 4GB DDR2 ECC SDRAM
No.of channels (Host+Drive)	2+4	2+4
Host interface	SCSI Ultra 320	Two 4x mini SAS(3Gb/s)
Disk interface	SATA II	SATA II
Management port support	Yes	Yes
Monitor port support	Yes	Yes
RAID Features		
RAID level	0, 1, 10(1E), 3 , 5 , 6 and JBOD	0, 1, 10(1E), 3 , 5 , 6 and JBOD
Array group	Yes	Yes
LUNs	Yes	Yes
Hot spare	Yes	Yes
Drive roaming	Yes	Yes
Online rebuild	Yes	Yes
Variable stripe size	Yes	Yes
E-mail notification	Yes	Yes
Online capacity expansion, RAID level / stripe size migration	Yes	Yes
Online array roaming	Yes	Yes
Online consistency check	Yes	Yes
SMTP manager and SNMP agent	Yes	Yes
Redundant flash image	Yes	Yes
Instant availability and background initialization	Yes	Yes
S.M.A.R.T. support	Yes	Yes
MAID	Yes	Yes
Bad block auto-remapping	Yes	Yes
Enclosure		
Platform	Rackmount	Rackmount
Form factor	1U	1U
# of hot swap trays	4	4
Tray lock	Yes	Yes
Disk status indicator	Access / Fail LED	Access / Fail LED
Power supply	220W w/PFC	220W w/PFC
# of fans	1	1
Power requirements	AC90V ~ 264V Full range	AC90V ~ 264V Full range
	6A ~ 3A, 47Hz ~ 63Hz	6A ~ 3A, 47Hz ~ 63Hz
Environmental		
Relative humidity	10% ~ 85% Non-condensing	10% ~ 85% Non-condensing
Operating temperature	10°C~40°C(50°F ~ 104°F)	10°C~40°C(50°F ~ 104°F)

Specification are subject to change without notice.
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