

EPICa Series

EP - 2803E1-SA3
EP - 2803E1-S3A3
EP - 2803E1-F4A3

2U 8bays, SCSI U320 – SATAII / SAS
– SATAII / FC- SATAII RAID Subsystem



The most cost-effective SATA II RAID subsystem, the EP-2803E1 series RAID subsystem features SCSI U320, 3Gb SAS or 4Gb FC-AL host interface to increase system efficiency and performance. It carries 8 hot-swappable SATA II hard disk drive bays in a 19-inch 2U 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

Features

- 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
- Serial port interface for remote event notification
- 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-2803E1-SA3	EP-2803E1-S3A3	EP-2803E1-F4A3
RAID Controller			
RAID processor	Intel IOP348 64 bit RISC	Intel IOP348 64 bit RISC	Intel IOP348 64 bit RISC
Cache memory	512MB ~ 4GB DDRII ECC SDRAM	512MB ~ 4GB DDRII ECC SDRAM	512MB ~ 4GB DDRII ECC SDRAM
No.of channels (Host+Drive)	2+8	2+8	2+8
Host Interface	Two SCSI Ultra 320	Two 4x mini SAS(3Gb/s)	Two FC-AL(4Gb/s)
Disk Interface	SATA II	SATA II	SATA II
Management port support	Yes	Yes	Yes
Monitor port support	Yes	Yes	Yes
RAID Features			
RAID level	0, 1, 10(1E), 3, 5, 6 and JBOD	0, 1, 10(1E), 3, 5, 6, 30, 50, 60 and JBOD	0, 1, 10(1E), 3, 5, 6, 30, 50, 60 and JBOD
Array group	Yes	Yes	Yes
LUNs	Yes	Yes	Yes
Hot spare	Yes	Yes	Yes
Drive roaming	Yes	Yes	Yes
Online rebuild	Yes	Yes	Yes
Variable stripe size	Yes	Yes	Yes
E-mail notification	Yes	Yes	Yes
Online capacity expansion, RAID level / stripe size migration	Yes	Yes	Yes
Online array roaming	Yes	Yes	Yes
Online consistency check	Yes	Yes	Yes
SMTP manager and SNMP agent	Yes	Yes	Yes
Redundant flash image	Yes	Yes	Yes
Instant availability and background initialization	Yes	Yes	Yes
S.M.A.R.T. support	Yes	Yes	Yes
MAID	Yes	Yes	Yes
Bad block auto-remapping	Yes	Yes	Yes
Enclosure			
Platform	Rackmount	Rackmount	Rackmount
Form factor	2U	2U	2U
# of hot swap trays	8	8	8
Tray lock	Yes	Yes	Yes
Disk status indicator	Access / Fail LED	Access / Fail LED	Access / Fail LED
Power supply	300W x 2	300W x 2	300W x 2
# of fans	4	4	4
Power requirements	AC110V / 220 6A / 3A, 47Hz / 63Hz	AC110V / 220 6A / 3A, 47Hz / 63Hz	AC110V / 220 6A / 3A, 47Hz / 63Hz
Environmental			
Relative humidity	10% ~ 85% Non-condensing	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)	10°C~40°C(50°F ~ 104°F)
Physical dimension	88 (H) x 482(W) x 500 (D) mm	88 (H) x 482(W) x 500 (D) mm	88 (H) x 482(W) x 500 (D) mm
Weight (Without disk)	12.5Kg	12.5Kg	12.5Kg

Specification is subject to change without notice.

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