EPICa

EP - 2803 - S6S6-S
EP - 2803 - S6S6-R

2U 8 Bays
6Gb SAS – 6Gb SAS/SATA RAID Subsystem

Unsurpassed value

- Most cost-effective SAS 2.0 (6G) RAID Subsystem

Extraordinary performance

- Equipped the latest technology "SAS 2.0 (SAS 6G)" for the interconnection of storage interface. The maximum data transfer rate up to 6Gbps(per lanes)
- Advanced Data Guarding technology (RAID ADG) provides the highest level of data protection.

Easy installation, upgrade & maintenance

- Provide a fast and easy way to install and upgrade the storage. Simplified maintenance reduces ongoing IT labor costs

Exceptional manageability

- Graphic User Interface (GUI) carry out user easy to remote management and configuration
- Menu-driven interface make user a convenient way to maintain the storage by locally LCD front console

Green power thinking

- Save the power by adopt the new technology "MAID" (Massive Arrays of Idle Disks)

Features

- SAS 2.0 (6G) interface, compliant with SAS 1.0(3G) and SATAII device
- RAID level 0, 1, 10 (1E), 3, 5, 6, 00, 100, 30, 50, 60, Single Disk, JBOD
- Write-through or write-back cache support
- Supports hot spare and automatic hot rebuild
- Allows online capacity expansion within the enclosure
- Local audible event notification alarm
- Supports password protection
- Built-in serial port interface for remote event notification.
- Dual host channels support clustering technology.
- Disk scrubbing/ array verify scheduling for automatic repair of all configured RAID sets
- Transparent data protection for all popular operating system.
- Support RAID ADG (RAID 6) which provides the highest level of data protection.
- Supports multiple array enclosures per host connection.
- Online RAID level/volume migration.
- Support NTP protocol to synchronize RAID controller clock over the on-board Ethernet port.

RAID Management

- Smart-function LCD panel
- Environmental monitoring unit
- Real time drive activity and status indicators
- Web-based GUI management utility

Series Technical Specifications

Model	EP-2803-S6S6-S / EP-2803-S6S6-R
Form-factor	2U 19"rackmount chassis
RAID processor	800MHz RAID-On-Chip storage processor
RAID level	0, 1, 10 (1E), 3, 5, 6, 00, 100, 30, 50, 60, Single Disk, JBOD
Cache memory	2GB with ECC/REG protection
No. of channels (host + drive)	2+8
Host bus interface	Two 6Gb/s SAS (SFF-8088) port for host
Drive bus interface	6Gb/s SAS, 6Gb/s SATA
SAS expansion	One 6Gb/s SAS (SFF-8088)
Hot-swap drive tray	Eight (8) 1-inch trays
Cooling fan	2
Battery backup	Option
Password protection	Yes
Audible alarm	Yes
Failed drive indicators	Yes
Failed drive auto rebuild	Yes
Online consistency check	Yes
Online expansion	Yes
Array roaming	Yes
Online RAID level/ stripe size migration	Yes
Instant availability and background initialization	Yes
Environment monitor	Yes
Auto spare support	Yes
Bad block auto-remapping	Yes
Remote management	Yes
MAID(2.0) support	Yes
Over 2TB support	Windows OS which GPT supported
	(Windows XP/x64, 2003/SP1 or 64-bit, Vista, 2008)
	Mac OS 10 or later, Linux kernel 2.6 or later
Power supplies	400W x1 (upgradeable) power supply w/PFC (EP-2803-S6S6-S)
	400W x2 redundant power supplies w/PFC (EP-2803-S6S6-R)
Power requirements	AC 100V ~ 240V Full range, 8A ~ 4A, 47Hz ~ 63Hz
Environmental	
Relative humidity:	10% ~ 85% Non-condensing
Operating temp:	$10^{O}C \sim 40^{O}C$ ($50^{O}F \sim 104^{O}F$)
Physical dimensions:	88(H) x 482(W) x 500(D)mm
Weight	12.4Kg (without Drives)

Specification is subject to change without notice.
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