

Simbolo

Serial ATA RAID 6 Subsystem
SB-2803SA-FA



Highest Density Available

- ▶ 2U chassis with 8bays carriers.
- ▶ Over 2 Terabytes per chassis.

Extraordinary Performance

- ▶ Serial ATA II: The Next Generation Internal Storage Interconnect.
- ▶ Better connectivity, higher data transfer rates.
- ▶ Advanced Data Guarding technology (RAID ADG) provides the highest level of data protection.
- ▶ RAID ADG can tolerate multiple simultaneous drive failures without downtime or data loss.

Exceptional Manageability

- ▶ GUI for remote management and configuration.
- ▶ Menu-driven front panel display.

Unsurpassed Value

- ▶ RAID ADG offers lower implementation costs and greater usable capacity per U than RAID 1.

Features

- ▶ Supports RAID levels 0, 1, 0+1, 3, 5, 6 and JBOD.
- ▶ Supports hot spare and automatic hot rebuild.
- ▶ Allows online capacity expansion within the enclosure.
- ▶ Local audible event notification alarm.
- ▶ Supports password protection and UPS connection.
- ▶ Built-in serial port interface for remote event notification.
- ▶ Dual host channels support clustering technology.
- ▶ Tagged command queuing for 256 commands, allows for overlapping data streams.
- ▶ Transparent data protection for all popular operating systems.
- ▶ RAID ADG provides the highest level of data protection.
- ▶ RAID ADG can tolerate multiple simultaneous drive failures without downtime or data loss.
- ▶ Supports multiple array enclosures per host connection.

RAID Management

- ▶ Smart-function LCD panel
- ▶ Environmental monitoring unit.
- ▶ Real time drive activity and status indicators.
- ▶ Browser-based Java GUI management utility

Technical Specifications

Model	SB-2803-SA	SB-2803-FA
Form-factor	2U 19-inch rackmount chassis	2U 19-inch rackmount chassis
RAID Processor	Intel 80321 64 bit RISC	Intel 80321 64 bit RISC
RAID Level	0, 1, 0+1, 3, 5, 6 and JBOD	0, 1, 0+1, 3, 5, 6 and JBOD
Cache Memory	128 MB ~ 1024 MB	128 MB ~ 1024 MB
No. of channel (host + drive)	2 + 8	2 + 8
Host bus interface	Ultra 320 LVD	FC-AL x 2 (2Gb/s)
Drive bus interface	SATA II	SATA II
Data transfer rate	Up to 320 MB/sec	Up to 200 MB/sec
Back plane board	SATA II	SATA II
Hot-swap drive tray	Eight (8) 1 inch trays	Eight (8) 1 inch trays
Power supply	300 W x 2 power supplies w/PFC	300 W x 2 power supplies w/PFC
Cooling fans	2	2
Battery backup	Option	Option
Fibre Hub	No	Yes
R-Link support	Yes	Yes
SNMP Protokol Support	Yes	Yes
Array roaming	Yes	Yes
Power requirements	AC 95 V ~ 264 V Full range 6 A / 3 A at 115 V / 230 V, 47 Hz ~ 63 Hz	AC 95 V ~ 264 V Full range 6 A / 3 A at 115 V / 230 V, 47 Hz ~ 63 Hz
Environmental		
Relative humidity:	10% ~ 85% Non-condensing	10% ~ 85% Non-condensing
Operating temperature:	10°C ~ 50°C (50°F ~ 122°F)	10°C ~ 50°C (50°F ~ 122°F)
Physical dimensions	88(H) x 482(W) x 650(D) mm 3.46(H) x 18.98(W) x 25.59(D) inches	88(H) x 482(W) x 650(D) mm 3.46(H) x 18.98(W) x 25.59(D) inches
Weight	13.5 kgs / 29.7 lbs (without drives)	13.5 kgs / 29.7 lbs (without drives)

Function:

* New disk auto spare * Host independent * Environmental monitor * Online expansion * Continuous rebuild
 * Online consistency check * Failed drive auto rebuild * Failed drive indicators * Audible alarm * Password protection
 * E-mail notification * UPS connection * Bad block auto-remapping * Multiple RAID selection * Online RAID level migration * Background RAID initialization * S.M.A.R.T.



- 1. Proprietary elastic reactance design:** Smooth tray-swap experience.
- 2. Excellent heat exchangers:** Hollow tray's panel.
- 3. Innovative modular architecture:** Swappable power supplies and cooling fans.
- 4. Web based GUI RAID manager:** Remote Access status via TCP/IP & Internet.

Specifications are subject to change without notice.
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