

## Simbolo

Serial ATA RAID 6 Subsystem  
SB-2123SA-FA



### Highest Density Available

- ▶ 2U chassis with 12bays carriers.
- ▶ Over 3 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-2123-SA	SB-2123-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 + 12	2 + 12
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	Twelve (12) 1 inch trays	Twelve (12) 1 inch trays
Power supply	350 W x 2 power supplies w/PFC	350 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 90 V ~ 264 V Full range 8 A / 5 A at 115 V / 230 V, 47 Hz ~ 63 Hz	AC 90 V ~ 264 V Full range 8 A / 5 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	15.5 kgs / 34.1 lbs (without drives)	15.5 kgs / 34.1 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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