

SB-2I23EI-SA3

SB-2I23EI-S3A3

SB-2I23EI-F4A3

**2U 12 Bays, U320 SCSI -SATA II,
3Gb SAS-SATA II, 4Gb FC-SATAII
RAID Subsystem**



Highest Density Available

- 2U chassis with 12bays carriers
- Over 6 Terabytes per chassis.(at 500GB SATA drive)

Extraordinary fault tolerance

- Advanced Data Guarding technology(RAID ADG) provides the highest level of data protection
- RAID ADG can tolerate two simultaneous drive failures without downtime or data loss

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

RAID Management

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

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



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Series Technical Specifications



Model	SB-2123E1-SA3	SB-2123E1-S3A3	SB-2123E1-F4A3
Form - factor	2U 19-inch rackmount chassis	2U 19-inch rackmount chassis	2U 19-inch rackmount chassis
RAID processor	Intel IOP348 64 bit RISC	Intel IOP348 64 bit RISC	Intel IOP348 64 bit RISC
RAID level	0, 1, 10(1E), 3, 5, 6 and JBOD	0, 1, 10(1E), 3, 5, 6, 30, 50, 60, JBOD	0, 1, 10(1E), 3, 5, 6, 30, 50, 60, JBOD
Cache memory	512MB ~ 4GB DDRII ECC SDRAM	512MB ~ 4GB DDRII ECC SDRAM	512MB ~ 4GB DDRII ECC SDRAM
No. of channels (host + drive)	2 + 12	2 + 12	2 + 12
Host bus interface	Ultra 320LVD	Two 4x miniSAS(3Gb/s)	FC-AL x 2 (4Gb/s)
Drive bus interface	SATA II	SATA II	SATA II
Data transfer rate	Up to 320MB/Sec	Up to 300MB/Sec	Up to 400MB/Sec
Back plane board	SATA II	SATA II	SATA II
Hot-swap drive trays	Twelve(12) -inch trays	Twelve(12) -inch trays	Twelve(12) -inch trays
Hot-swappable power supplies	350W x 2 power supplies w / PFC	350W x 2 power supplies w / PFC	350W x 2 power supplies w / PFC
Cooling fans	2	2	2
Battery backup	Option	Option	Option
R-Link support	Yes	Yes	Yes
SNMP protocol support	Yes	Yes	Yes
Array Roaming	Yes	Yes	Yes
Power requirements	AC 90V ~ 264V full range 8A / 5A at 115V /230V,47Hz ~ 63Hz	AC 90V ~ 264V full range 8A / 5A at 115V /230V,47Hz ~ 63Hz	AC 90V ~ 264V full range 8A / 5A at 115V /230V,47Hz ~ 63Hz
Environmental			
Relative humidity:	10% ~ 85% Non-condensing	10% ~ 85% Non-condensing	10% ~ 85% Non-condensing
Operating temp:	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 dimensions:	88(H) x 482(W) x 650(D) mm	88(H) x 482(W) x 650(D) mm	88(H) x 482(W) x 650(D) mm
Weight	15.5kg (without drives)	15.5kg (without drives)	15.5kg (without drives)

Function:

*New disk auto spare *Host independent *Environment 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.

Specification are subject to change without notice. All company and product names are trademarks of their respective owners.