

SB-3163EI-S3A3

3Gb SAS-SATAII RAID Subsystem



Highest density available

- 3U chassis with 16 bays carriers.

Extraordinary fault tolerance

- 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

- 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 RAID levels 0 , 1 , 10(1E) , 3 , 5 , 6 , 30 , 50, 60 and JBOD
- 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-3163E1-S3A3
Form-factor	3U 19-inch rackmount chassis
RAID processor	Intel IOP348 64 bit RISC
RAID Level	0 , 1 , 10(1E) , 3 , 5 , 6 , 30 , 50 , 60 and JBOD
Cache memory	512MB ~ 4GB DDRII ECC SDRAM
No. of channels (host+drive)	2 + 16
Host bus interface	Two 4x mini SAS (3Gb/s)
Drive bus interface	SATA II
Hot-swap drive trays	Sixteen (16) 1-inch trays
Hot-swappable power supplies	Three (3) 300W power supplies w / PFC
Cooling fans	2 (blower)
Battery backup	Option
Drive roaming	Yes
Online rebuild	Yes
Online consistency check	Yes
SMTP manager and SNMP agent	Yes
Redundant Flash image	Yes
Instant availability and background initialization	Yes
R-Link support	Yes
SNMP Protocol support	Yes
S.M.A.R.T	Yes
Online array roaming	Yes
MAID	Yes
Bad block auto-remapping	Yes
Power requirements	AC 90V ~ 254V Full Range 12A / 6A at 110V / 220V, 50Hz/60Hz
Environmental	
Relative humidity:	10% ~ 85% Non-condensing
Operating temp:	10°C ~ 40°C (50°F ~ 104°F)
Physical dimensions:	133(H) x 482(W) x 609(D) mm
Weight	20.5kgs / 45.1Lbs (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 *UPS connection *Bad block auto-remapping
 *Multiple RAID selection *Online RAID level migration *E-mail Notification

Specification are subject to change without notice.

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