

Simbolo

Serial ATA II RAID 6 Subsystem
SB-3163SA-FA



Highest Density Available

- ▶ 3U chassis with 16bays carriers.
- ▶ Over 4 Terabytes per chasis.

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.

Unparalleled Aluminum Material

- ▶ Aluminum is an excellent thermal conductor.
- ▶ Aluminum exhibits highstrength-to-weight ratio.

Extraordinary Performance

- ▶ Serial ATA II: The next generation internal storage interconnect.
- ▶ Better connectivity, higher data transfer rates.

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.
- ▶ The RAID subsystem is made by aluminum. Aluminum is an excellent thermal conductor and aluminum offers a unique combination of light weight and high strength.
- ▶ 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.
- ▶ Online RAID level migration.

RAID Management

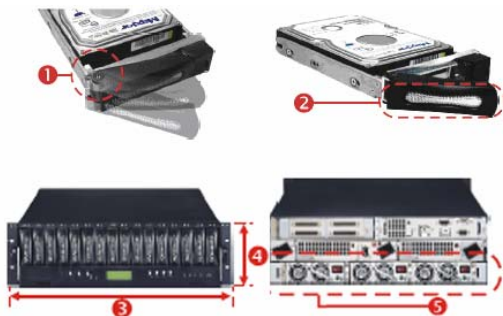
- ▶ Smart-function LCD panel
- ▶ Environmental monitoring unit.
- ▶ Real time drive activity and status indicators.
- ▶ Browser-based Java GUI management utility

Technical Specifications

Model	SB-3163-SA	SB-3163-FA
Form-factor	3U 19-inch rackmount chassis	3U 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 + 16	2 + 16
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	Sixteen (16) 1 inch trays	Sixteen (16) 1 inch trays
Power supply	300 W x 3 power supplies w/PFC	300 W x 3 power supplies w/PFC
Cooling fans	2 (blower)	2 (blower)
Battery backup	Option	Option
Fibre Hub	No	Yes
R-Link support	Yes	Yes
SNMP Protokol Support	Yes	Yes
Background RAID Initialization	Yes	Yes
S.M.A.R.T.	Yes	Yes
Array roaming	Yes	Yes
Power requirements	AC 90 V ~ 254 V Full range 12 A / 6 A at 110 V / 220 V, 50 Hz ~ 60 Hz	AC 90 V ~ 254 V Full range 12 A / 6 A at 110 V / 220 V, 50 Hz ~ 60 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	133(H) x 482(W) x 609(D) mm 5.24(H) x 18.98(W) x 23.98(D) inches	133(H) x 482(W) x 609(D) mm 5.24(H) x 18.98(W) x 23.98(D) inches
Weight	20.5 kgs / 45.1 lbs (without drives)	20.5 kgs / 45.1 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



- Proprietary elastic reactance design:** Smooth tray-swap experience.
- Excellent heat exchangers:** Hollow tray's panel.
- Pure aluminum case & component:** Lightweight & excellent thermal conductor.
- Exceptional bellows enclosure:** Specially designed airflow passages dissipate heat from the hard disks and the controller.
- Field proven power supplies:** N+1 hot swappable and redundant load sharing PFC power supplies ensure system uptime for enterprise class reliability.
- Innovative modular architecture:** Swappable power supplies, cooling fans and controller module.

Specifications are subject to change without notice.

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