

Simbolo

**4Gb Fibre-SATA II RAID
subsystem**



Unparalleled Performance

- ◆ Dual high-speed 133MHz/64bit PCI-X bus for high data throughput need
- ◆ The overall performance can support up to two 4Gb Fibre host channels without bandwidth bottleneck

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
- ◆ Innovative Modular architecture

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
- ▶ Supports multiple array enclosures per host connection
- ▶ Instant availability and background initialization
- ▶ Supports greater than 2TB per volume set (64-bit LBA support)
- ▶ Supports 4K bytes/sector for Windows up to 16TB per volume set
- ▶ Supports S.M.A.R.T, NCQ and OOB Staggered Spin-up capable drives
- ▶ Supports online Array roaming
- ▶ Online RAID level/stripe size migration
- ▶ Online capacity expansion and RAID level migration simultaneously
- ▶ Online Volume Set Expansion



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Series Technical Specifications



Model	SB-3163E-F4A3
Form-factor	3U 19-inch rackmount chassis
RAID processor	PowerPC 440SP
RAID Level	0, 1, 3, 5, 0+1, 6, JBOD
Cache memory	512MB ~ 4G
No. of channels (host+drive)	2 + 16
Host bus interface	FC-AL (4 Gb/s)
Drive bus interface	SATA II
Data transfer rate	Up to 400MB/Sec
Controller Redundancy	N/A
Hot-swap drive trays	Sixteen (16) 1-inch trays
Online capacity expansion, RAID level/stripe size migration	Yes
Online Volume sets expansion	Yes
Online Array roaming	Yes
Online consistency check	Yes
SMTMP manager and SNMP agent	Yes
E-mail Notification	Yes
Redundant Flash image	Yes
R-Link support	Yes
Support over 2TB per volume	Yes
Instant availability and background initialization	Yes
S.M.A.R.T. support	Yes
New disk insertion / removal detection	Yes
Failed drive auto rebuild	Yes
Continuous rebuild	Yes
Multiple RAID selection	Yes
Bad block auto-remapping	Yes
Audial alarm	Yes
Password protection	Yes
UPS connection	Yes
Hot-swap power supplies	Two (2) 460W power supplies w/PFC
Cooling fans	4
Battery backup	Option
Power requirements	AC 90V ~ 264V Full Range 8A ~ 4A, 47Hz ~ 63Hz
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 600(D)mm 5.24(H) x 18.98(W) x 23.62(D)inches
Weight	24.7kgs / 54.34Lbs (without drives)

Specification are subject to change without notice.
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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.