

## SB-3164E-GIS3

*iSCSI-SAS / SATA II RAID Subsystem*

## SB-3164J-S3S3

*3Gb SAS JBOD*



### Unparalleled Performance

- ◆ Front-end 4 x 1Gb iSCSI
- ◆ Supports 802.3ad port trunking, Link Aggregation Control Protocol (LACP)
- ◆ High data bandwidth of system architecture by powerful 64-bit RAID processor

### Unsurpassed Data Availability

- ◆ RAID 6 capability provides the highest level of data protection
- ◆ Supports snapshot-on-the-box w/o relying on host software
- ◆ Supports Microsoft Windows Volume Shadow Copy Services (VSS)

### Exceptional Manageability Menu-driven front panel display

- ◆ Management GUI via serial console, SSH telnet, Web and secure web(HTTPS)
- ◆ Event notification via Email and SNMP trap
- ◆ Menu-driven front panel display

### Features

- ▶ Front-end 4 x 1Gb ports support independent access, fail-over or load-balancing (802.3ad port trunking, LACP)
- ▶ Supports iSCSI jumbo frame
- ▶ Supports Microsoft Multipath I/O (MPIO)
- ▶ Supports RAID levels 0, 1, 0+1, 3, 5, 6, 10, 30, 50, 60 and JBOD
- ▶ Local N-way mirror: Extension to RAID 1 level, N copies of the disk
- ▶ Global and dedicated hot spare disks
- ▶ Write-through or write-back cache policy for different application usage
- ▶ Dedicated or shared cache allocation for volume usage
- ▶ Supports greater than 2TB per volume set (64-bit LBA support)
- ▶ Supports manual or scheduling volume snapshot (up to 32 snapshot)
- ▶ Snapshot rollback mechanism
- ▶ On-line volume migration with no system down-time
- ▶ Online volume expansion
- ▶ Instant RAID volume availability and background initialization
- ▶ Supports S.M.A.R.T, NCQ and OOB Staggered Spin-Up capable drives



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# Series Technical Specifications



## Model Number : **SB-3164E-G1S3**

Form Factor : 3U 19-inch rackmount chassis	Online Volume sets expansion : Yes
RAID processor : Intel IOP342 64-bit	Configurable stripe size : Yes
RAID Level : 0, 1, 0+1, 3, 5, 6, 10, 30, 50, 60 and JBOD	Instant RAID volume availability and background initialization support : Yes
N-way mirror (N copies of the disk) : Yes	Supports over 2TB per volume : Yes
Cache memory : 512MB ~ 2GB DDR II	Online consistency check : Yes
No. of channels (host+drive) : 4 + 16	Bad block auto-remapping : Yes
Host bus interface : Four 1Gb/s Ethernet	S.M.A.R.T. Support : Yes
Drive bus interface : 3Gb/s SAS / SATA II	New disk insertion / removal detection : Yes
Expansion : One 4x SAS (SFF-8470)	Auto volume rebuild : Yes
Hot-swap drive trays : Sixteen(16) 1-inch trays	Array roaming : Yes
Host access control : Read-Write & Read-Only	Audible alarm : Yes
Supports CHAP authentication : Yes	Password protection : Yes
802.3ad port trunking, LACP support : Yes	UPS connection : Yes
Jumbo frame support : Yes	Hot-swap power supplies : Two (2) 460W power supplies w/PFC
Maximum logical volume: up to 1024	Cooling fans : 4
Maximum host connection: up to 32	Battery backup(Option) : Yes
Maximum host clustering: up to 16 for one logical volume	Power requirements : AC 90V ~ 264V full range 8A ~ 4A, 47Hz ~ 63Hz
Manual / scheduling volume snapshot: up to 32	Environmental
Snapshot rollback mechanism support : Yes	Relative Humidity : 10% ~ 85% Non-condensing
Supports Microsoft Multipath I/O (MPIO) : Yes	Operating Temp : 10°C ~ 40°C (50°F ~ 104°F)
Supports Microsoft Windows Volume Shadow Copy Services (VSS) : Yes	Physical Dimensions : 133(H) x 482(W) x 600(D)mm
Global / dedicated cache configurable by volume : Yes	Weight : 24.7kgs (without drives)
Global and dedicated hot spare disks : Yes	
Online Volume migration : Yes	

## Model Number: **SB-3164J-S3S3**

Form Factor : 3U 19-inch rackmount chassis	Online Volume sets expansion : -
RAID processor : -	Configurable stripe size : -
RAID Level : -	Instant RAID volume availability and background initialization support : -
N-way mirror (N copies of the disk) : -	Supports over 2TB per volume : -
Cache memory : -	Online consistency check : -
No. of channels (host+drive) : -	Bad block auto-remapping : -
Host bus interface : Two 4x miniSAS (SFF-8088)	S.M.A.R.T. Support : -
Drive bus interface : 3Gb/s SAS / SATA II	New disk insertion / removal detection : -
Expansion : One 4x SAS (SFF-8088)	Auto volume rebuild : -
Hot-swap drive trays : Sixteen(16) 1-inch trays	Array roaming : -
Host access control : -	Audible alarm : -
Supports CHAP authentication : -	Password protection : -
802.3ad port trunking, LACP support : -	UPS connection : -
Jumbo frame support : -	Hot-swap power supplies: Two (2) 460W power supplies w/PFC
Maximum logical volume : -	Cooling fans : 4
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Snapshot rollback mechanism support : -	Relative Humidity : 10% ~ 85% Non-condensing
Supports Microsoft Multipath I/O (MPIO) : -	Operating Temp : 10°C ~ 40°C (50°F ~ 104°F)
Supports Microsoft Windows Volume Shadow Copy Services (VSS) : -	Physical Dimensions : 133(H) x 482(W) x 600(D)mm
Global / dedicated cache configurable by volume : -	Weight : 24.5kgs (without drives)
Global and dedicated hot spare disks : -	
Online Volume migration : -	

Specification are subject to change without notice.  
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