

## SB-3163J-S3S3

### 3U SAS JBOD Enclosure Solution



The Simbolo SB-3163J-S3S3 is a 19-inch 3U rackmount JBOD unit. It comes with 16 hot-swappable bays and ideal for high capacity and scalability storage in most popular OS environments. Based on 3Gb SAS Channel host interfaces, the SB-3163J-S3S3 supporting the choice of SAS and SATA II drive configurations to deliver the best cost-performance index with higher bandwidth.

The ability to mix SAS and SATA drives allows the SB-3163J-S3S3 to be used for a range of applications that require different price/performance characteristics. Cost-effective SATA drives can be selected for capacity orientated storage such as disk-to-disk backup and the storage of reference data. Higher specification SAS drives can be employed for I/O intensive applications including transactional databases. Hosting multiple tiers of data in an SB-3163J-S3S3 configuration gives organizations the flexibility to meet both their technical requirements and budgetary constraints with a single unified solution.

### Features

- 16 hot-swappable drive bays in a rackmount 3U chassis
- Simultaneously support SAS or SATA disk
- SAS JBOD controller module consist of three mini SAS (4X) port
- Two 460W redundant hot swappable power supplies
- Incorporates a cableless design for maximum signal integrity
- Utilizes industry-standard SCSI Enclosure Services to monitor enclosure and disk environmental conditions



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# Series Technical Specifications



Model	SB-3163J-S3S3
Form-factor	3U 19-inch rackmount chassis
Host bus interface	One 4x mini SAS (SFF-8088)
Drive bus interface	SAS or 3Gb/s SATA II
Data transfer rate	Up to 300MB/sec per channel
Expansion	Two 4x mini SAS (SFF-8088)
Hot-swap drive trays	Sixteen (16) 1-inch trays
New disk insertion / removal detection	Yes
Audible alarm	Yes
Password protection	Yes
Hot-swap power supplies	Two (2) 460W power supplies w/PFC
Cooling fans	4
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
Weight	24.7kg (without drives)

Specification are subject to change without notice.  
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## Serial Attached SCSI Advantages

Four-wire Replacement for Parallel SCSI	
Software compatible "drop in" replacement	Low voltage (1600 mV max) differential signaling (8b10b encoding)
"Star" Topology (Point-to-Point)	
Each device gets full bandwidth	Minimum arbitration overhead
SAS Attributes Extend Capabilities beyond Parallel SCSI	
Dual-porting	Native support for either SATA or SAS drives
16K devices (per domain)	Wide ports and rate matching