

# Simbolo

JBOD enclosure solutions



## SCSI -to-IDE JBOD solution

**Purpose-built for high capacity expansion, cost-effective data storage applications.**

- ◆ Most cost-effective IDE expansion JBOD enclosure scales to over 4 Terabytes per chassis.
- ◆ Easily expanding to redundant controller RAID subsystem for mission critical application requirement.

## SCSI -to-SCSI JBOD solution

**Purpose-built for applications requiring high capacity expansion, high data throughput, availability and flexibility in configuration.**

- ◆ Ultra 320 ready SCSI JBOD enclosure.
- ◆ 16 bays SCSI JBOD enclosure features all aluminum construction in 3U form factor.
- ◆ Available in single and dual channel backplane for specific application.

## FC-to-SATA/IDE JBOD solution

**Purpose-built for high capacity expansion, cost-effective data storage applications.**

- ◆ 16 bays FC-to-SATA/IDE JBOD enclosure features all aluminum construction in 3U form factor.
- ◆ Most cost-effective SATA/IDE expansion JBOD enclosure scales to over 4 Terabytes per chassis.
- ◆ Available in 2Gb Fibre channel Dual loop operation.

## Features

### SCSI -to-IDE JBOD solution

- ▶ SCSI-to-IDE JBOD enclosure.
- ▶ Supports up to fourteen (14) hot-swappable IDE hard disk drive.
- ▶ All major components including drives, power supplies and fans are redundant and removable for easy serviceability.
- ▶ N+1 load sharing hot-swappable PFC power supplies.
- ▶ SAF-TE support.
- ▶ Environmental monitoring unit.
- ▶ Local visible and audible event notification alarm.
- ▶ Real time drive activity and status indicators.

### SCSI -to-SCSI JBOD solution

- ▶ Ultra 320 ready SCSI JBOD enclosure.
- ▶ Supports up to sixteen (16) hot-swappable Ultra 320 hard drives.
- ▶ Available in single and dual channel backplane for specific application
- ▶ SCSI ID auto setting.
- ▶ All major components including drives, power supplies and fans are redundant and removable for easy serviceability.
- ▶ N+1 load sharing hot-swappable PFC power supplies.
- ▶ SAF-TE support.
- ▶ Environmental monitoring unit.
- ▶ Local visible and audible event notification alarm.
- ▶ Real time drive activity and status indicators.

### FC-to-SATA/IDE JBOD solution

- ▶ FC-to-SATA/IDE JBOD enclosure.
- ▶ Supports up to sixteen (16) hot-swappable SATA/IDE hard drives.
- ▶ Supports Dual Loop FC-AL (2 Gb/s) host interface.
- ▶ All major components including drives, power supplies and fans are redundant and removable for easy serviceability.
- ▶ N+1 load sharing hot-swappable PFC power supplies.
- ▶ SES support.
- ▶ Environmental monitoring unit.
- ▶ Local visible and audible event notification alarm.
- ▶ Real time drive activity and status indicators.



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# Series Technical Specifications



Model	SB-3140J-SI	SB-3160J-SS
<b>Form-factor</b>	3U 19" rackmount chassis	3U 19" rackmount chassis
<b>Host bus interface</b>	Ultra 160	2 x Ultra 320
<b>Drive bus interface</b>	Ultra DMA133	Ultra 320
<b>Backplane Board</b>	Ultra DMA133 (SCA-II)	Ultra 320 (SCA-II)
<b>Hot-swappable drive trays</b>	fourteen (14) 1" trays	Sixteen (16) 1" trays
<b>Cooling fans</b>	2 (blower)	2 (blower)
<b>Hot-swappable power supplies</b>	Three (3) 300W power supplies w/PFC	Three (3) 300W power supplies w/PFC
<b>Disk slot temperature monitor</b>	Yes (14 slot)	Yes (16 slot)
<b>Fan Status monitor</b>	Yes	Yes
<b>Power Supply status monitor</b>	Yes	Yes
<b>Voltage monitor</b>	Yes	Yes
<b>Power requirements</b>	AC 90V ~ 254V Full Range 12A/6A at 110V / 220V, 50Hz/60Hz	AC 90V ~ 254V Full Range 12A/6A at 110V / 220V, 50Hz/60Hz
<b>Environmental</b>		
<b>Relative Humidity:</b>	10% ~ 85% Non-condensing	10% ~ 85% Non-condensing
<b>Operating Temp:</b>	10°C ~ 50°C (50°F ~ 122°F)	10°C ~ 50°C (50°F ~ 122°F)
<b>Physical Dimensions:</b>	133 (H) x 429 (W) x 538(D) mm 5.24 (H) x 16.89 (W) x 21.18(D) inches	133 (H) x 482 (W) x 569(D) mm 5.24 (H) x 18.98 (W) x 22.40 (D) inches
<b>Weight</b>	25kgs / 55Lbs (without drives)	19kgs / 41.8Lbs (without drives)



Model	SB-3160J-FA	SB-3160J-FI
<b>Form-factor</b>	3U 19" rackmount chassis	3U 19" rackmount chassis
<b>Host bus interface</b>	2 x 2Gb FC	2 x 2Gb FC
<b>Drive bus interface</b>	SATA 150	UDMA 133
<b>Hot-swap drive trays</b>	Sixteen (16) 1" trays	Sixteen (16) 1" trays
<b>Cooling fans</b>	2 (blower)	2 (blower)
<b>Hot-swappable power supplies</b>	Three (3) 300W power supplies w/PFC	Three (3) 300W power supplies w/PFC
<b>Disk slot temperature monitor</b>	Yes (16 slot)	Yes (16 slot)
<b>Fan Status monitor</b>	Yes	Yes
<b>Power Supply status monitor</b>	Yes	Yes
<b>Voltage monitor</b>	Yes	Yes
<b>SES support</b>	Yes	Yes
<b>Power requirements</b>	AC 90V ~ 254V Full Range 12A/6A at 110V / 220V, 50Hz/60Hz	AC 90V ~ 254V Full Range 12A/6A at 110V / 220V, 50Hz/60Hz
<b>Environmental</b>		
<b>Relative Humidity:</b>	10% ~ 85% Non-condensing	10% ~ 85% Non-condensing
<b>Operating Temp:</b>	10°C ~ 50°C (50°F ~ 122°F)	10°C ~ 50°C (50°F ~ 122°F)
<b>Physical Dimensions:</b>	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
<b>Weight</b>	20.5kgs / 45.1Lbs (without drives)	20.5kgs / 45.1Lbs (without drives)

Specification are subject to change without notice.  
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