

JBOD Subsystem

SAS JBOD for external storage solutions of SAS Expansion



Highlights

- ▶ 2 x 12.0 Gb/s miniSAS (SFF 8088) host wide ports
- ▶ 1 x 12.0 Gb/s miniSAS (SFF 8088) JBOD expansion wide port
- ▶ Up to 4 J200C controllers can be cascaded
- ▶ Windows Cluster support
- ▶ Disk auto spindown support

Key Components

- ▶ LSI SAS expander solution
- ▶ Back-end:
 - SAS drives support
 - One SAS JBOD down link expansion port to include more drives
- ▶ Front-end: Two Host wide ports for servers/RAID controllers
- ▶ LCM support for the system easy management purpose
 - To display JBOD WWN
 - To display model name
 - To mute the system alarm
 - To display the status of the environmental parameters
 - To reset this JBOD controller

Enclosure Monitoring

- ▶ S.E.S. support for standard enclosure management
- ▶ System LED indications
 - System status
 - Host ports status
- ▶ FAN speed monitoring
- ▶ Redundant power supply monitoring
- ▶ System voltages monitoring
- ▶ System temperatures monitoring
- ▶ System alarm for failure events

Host and Drives Connections

- ▶ Two 3Gb SAS 4-lane wide ports
- ▶ One 3Gb SAS 4-lane wide port for down link
- ▶ Up to 16 SAS drives support
- ▶ Up to 4 J200C JBODs can be cascaded

Chassis Integration

- ▶ Dimension: 14.5 cm x 1.8 cm x 28 cm (W x H x D)
- ▶ VHDM-HSD connector to customized backplane, designed with all interfaces mounted on-board exposed to external via customized IO bracket

