

# 3U SAS JBOD solutions with excellent performance



Sequential Read (RAID 5) 1170 MB/s

Sequential Write (RAID 5) 1050 MB/s



- ✓ Supports daisy chain up to 5 units
- ✓ GUI enclosure management

- ✓ Excellent I/O throughput
- ✓ Windows, Mac and Linux compatible

\* Actual results may vary based on your specific hardware, connection rate, site conditions, and software configurations.

## JBOD System Features, Specifications and Enclosure Management Functions

### System Features

- Native SAS environment offers a high level of data integrity and availability
- Compatible with Adaptec, AMCC, Areca, ATTO, High Point and LSI SAS RAID controller cards
- Supports 16 hot-swap SAS/SATA II 3Gb/s HDDs
- Auto-negotiates speeds between 1.5G and 3.0Gbps
- Easy system maintenance with modular FRU design
- Supports SSP, SMP, and STP target and initiator
- Supports Table, Direct and Subtractive Routing
- Supports up to 24 TB with SATA II HDDs / 4.8 TB with SAS HDDs
- Supports staggered HDD spin-up
- Dual hot swappable / redundant power supply modules
- SIM (SAS IO Module) utilizes latest expander ASIC
- Easy in-field firmware upgrade:
  - Standard: via Mini-SAS interface
  - Optional: via DB-9 Serial Port
- 3 X high-speed external Mini-SAS (SFF-8088) interface
- Choice for setting up external ports :
  - One "IN" port (from host) + two "OUT" daisy chain
- Scalability :
  - Daisy chain / Cascade to next / Added JBODs
  - Seamless storage expansion for growing data demand
- Total MBs per second exceeds 1170
- Audio alert for HDD, Fan, Over-temperature, and Power Supply Failure
- Designed for high reliability 24/7 on-line application

### System Features (continued)

- Reliable, cost-effective and energy-saving
- Additional controllers will be supported via firmware upgrades

### Enclosure Management Functions

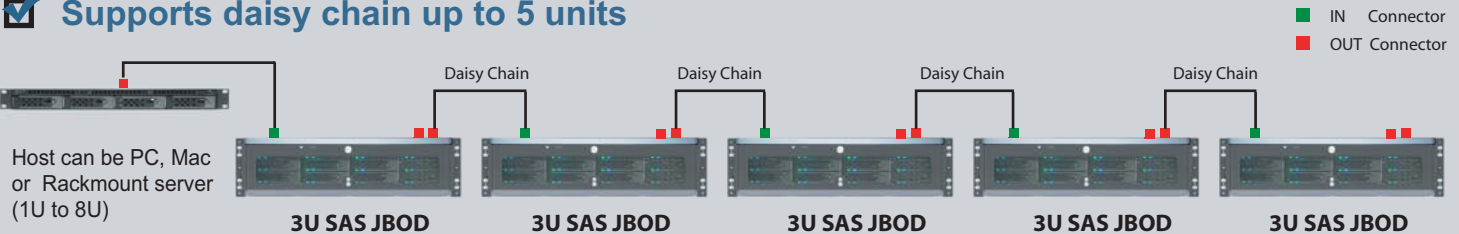
- Environment management with SES / SEP support
- In-band and out-of-band enclosure management support
- HDD Failure/Locate/Identify LED Indicator on each drive bay
- Remote management via RAID controller / HBA's GUI and E-mail Notification
- Temperature sensing / notification
- Smart fan features :
  - Status report by RAID Controller GUI
  - Variable fan speed for best thermal and acoustic performance
- PSU module:
  - Status report by RAID controller GUI
  - Hot-swappable and redundant
- Audio Alert /LED indicator for failure events
  - Fan / Over-temperature/ PSU / Under Voltage /Over Voltage

### Specifications

Hard Drive Trays	16 X Hot Swap HDD Trays
Backplane Interface Options	SATA 3Gb/s , SAS
Power Supply	550W 1+1 Redundant
Dimensions	19"(W) X 5.25"(H) X 19.5" (D)
Ventilation	4 X Fans ( 80mm X 80mm X 38mm)

## Connection Diagram Example

- ✓ Supports daisy chain up to 5 units



- ✓ Windows, Mac and Linux compatible \*



\* Company names used in this publication are for identification purpose only and may be trademarks of their respective companies.



Ci Design Co., Inc. 1 800 576 5487 20 Odyssey, Irvine, CA 92618, USA info@cidesign.com  
 Ci Design Europe B.V. 31 0 464 770 640 Polychemstraat 4, 6191 NL Beek (LB), The Netherlands info@ci-designeurope.nl  
 Majestic Technology 886 2 2999 2152 No.27,10 Fl Lane 61,Kung Fu Road, Sec.1, Sanchung City, Taipei, Taiwan. mtcsales@majestic.com.tw