

E-2128J

SAS & SATA JBOD Multi-purpose Enclosure Solution



**24 TB in a single 2U Box !
800MB+/sec !!**

The E-2128J is the most versatile SAS/SATA II Disk enclosure system, ideal for midrange and high capacity storage environments. Based on 3Gb SAS Channel host interfaces, the E-2128J supports the choice of SAS (Serial Attached SCSI), and SATA II (Serial ATA) drive configurations. It is capable to deliver a system bandwidth of up to 1,200 MB/sec.

Features & Benefits

※ Cable-less & Modular Design

Cable-less backplane and IO module guarantees maximum data signal integrity, eliminating potential troubles by cable-wiring, easy to service and maintain.

※ Staggering Spin-Up

Auto-staggering spin-up for hard disks at power up. The feature extends the life/duty cycle of the hard disks and power supply.

※ LCD Display & Enclosure ID

Includes LCD to display critical information of the enclosure. Also, the LCD shows the ID of the enclosure, so in a multiple enclosure environment, when the RAID management tells which enclosure has drive failure, you know exactly which enclosure to look for.

※ Enclosure Management (SES)

Utilizes industry-standard SCSI Enclosure Services (SES) to monitor enclosure and disk environmental conditions, and communicate with host RAID adapter and shows those info from within the RAID management console.

※ Scalability

Supports up to 4 enclosures chained together for capacity expansion.

※ Multi-purposes

Supports both SAS (Serial SCSI) or SATA disks to meet the requirements of different applications with different price/performance characteristics and demands. Cost-effective SATA drives can be used for capacity orientated storage such as disk-to-disk backup, and data-archiving, or digital video editing. Enterprise level SAS drives can be employed for I/O intensive applications including transactional databases

※ Enclosure Craftmanship

Compact 2U x 12 Bay with very short depth (18.12"), Built with strong metal material. Excellent cooling without noise

※ Wide Range RAID Adapters Support

Compatible with Areca ARC-1680X, LSI SAS MegaRAID, Intel SAS RAID, Adaptec SAS RAID, and 3Ware SAS RAID Adapters.

※ PHY Zoning

Zoning(aka PHY Zoning) is to divide up 12 disks into 2 groups, each IN Port allows access to one group without interference to the other group. So two RAID controllers can share the same JBOD with each has its own group of disks to create RAID volume over SATA disks without the expensive interposer/MUX boards. This feature is typically useful for two types of applications: two computers share the same JBOD or one computer aggregating 2 RAID controllers for maximum throughput.

Technical Specifications

Model	E-2128J
Form Factor	2U /19" rackmount chassis
Number of Disks	12 x 3.5" SAS or SATA on Hot-Swap Trays
Host Bus Interface	2 x IN-Port, 2 x 4 Lane SAS/8088 connectors
	Up to 300 MB/s per Lane, 1200MB/sec over 4 Lanes
Disk Bus Interface	3.0 Gb SAS or SATA II
Expansion Interface	1 x OUT-Port, 1 x 4 Lane SAS, 8088 connector Up to total of 4 boxes/48 drives can be chained together
Backplane	Cable-less 3.0 Gb SAS for SAS or SATA II HDDs
Tray Lock	Yes, w/ Lock Indicator
Disk Status Indicator	Access / Fail LED w/ 170° view
Enclosure Monitoring (SES)	In Band SES via SAS
LCD Display	Enclosure ID, and Enclosure Info & Disk Info
PHY Zoning	Yes, supported, enable/disable by user via RS232
# of PS/Fan Modules	Redundant Power Supply 400W x 2
# of Fans per Module	1 (Multi-speed, auto-adjust)
Power Requirements	AC 90V ~ 264V Full Range; 8A ~ 4A, 50Hz ~ 60Hz
Relative Humidity	10% ~ 85% Non-condensing
Operating Temperature	10°C ~ 40 °C (50 °F ~ 104 °F)
Physical Dimension	460(D) x 482(W) x 88(H) mm / 18.12" D x 18.99" W x 3.47" H
Weight (Without Disk)	14 Kg – 30.86LB
SAS RAID Adapter Compatibility	Areca ARC-1680X LSI SAS MegaRAID, Intel SAS RAID Adaptec SAS RAID 3Ware SAS RAID ATTO SAS RAID

