

EPICa

EP-2129J-S3S3

JBOD enclosure solution



The EPICa EP-2129J-S3S3 is Proware's most versatile SAS/SATA II Disk Expansion system, ideal for midrange and high capacity storage in Windows environments. Based on 3Gb SAS Channel host interfaces, the EP-2129J-S3S3 supports the choice of SAS (Serial Attached SCSI), and SATA II (Serial ATA) drive configurations to deliver a system bandwidth of up to 700MB/sec.

The ability to mix SAS and SATA drives allows the EP-2129J-S3S3 to be used for a range of applications that require different price/performance characteristics. Cost-effective SATA drives can be selected for capacity oriented 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 EP-2129J-S3S3 configuration gives organizations the flexibility to meet both their technical requirements and budgetary constraints with a single unified solution.

Features

- ◆ Fully redundant with hot swappable disks, cooling fans and power supplies
- ◆ Modular Design With Common Parts
 - Inventory control efficiency
 - Cost-saving benefits to the end-user
- ◆ Power Supply
 - Power Supply and cooling system contained in 1 module for efficient cooling
 - 400W power supplies to meet the future HDD power consumption
- ◆ Enclosure
 - Modules are interchangeable with other Epica products
 - Hardware expansion slots keeps you up-to-date on the latest technologies
 - Incorporates a cableless design for maximum signal integrity
- ◆ SES
 - Utilizes industry-standard SCSI Enclosure Services to monitor enclosure and disk environmental conditions

SERIES TECHNICAL SPECIFICATIONS

| | |
|-----------------------------------|--|
| Model | EP-2129J-S3S3 |
| Form Factor | 2U 19" rackmount chassis |
| Host Bus Interface | 4 Lane SAS (Infiniband) Up to 300 MB/s per Channel |
| Disk Bus Interface | 3.0 Gb SAS SAS / SATA II |
| Backplane | 3Gb SAS Single BP |
| # of Hot Swap Trays | 12 |
| Tray Lock | Yes, w/ Lock Indicator |
| Disk Status Indicator | Access / Fail LED w/ 170° view |
| Capacity | 4.8 TB (at 400GB SAS drive) 12 TB (at 1TB SATA drive) |
| Enclosure Monitoring (SES) | In Band SES via SAS |
| # of PS/Fan Modules | 400W x 2 w/PFC |
| # of Fans per Module | 1 (Multi-speed) |
| Max. Air Flow | 160 CFM |
| Power Status Indicator | Yes |
| Fan Status Indicator | Yes |
| Power Requirements | AC 90V ~ 254V Full Range 8A ~ 4AV, 50Hz ~ 60Hz |
| Relative Humidity | 10% ~ 85% Non-condensing |
| Operating Temperature | 10°C ~ 40°C (50°F ~ 104°F) |
| Physical Dimension | 550(L) x 482(W) x 88(H) mm |
| Weight (Without Disk) | 14 Kg |

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 |



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