

EPICa

JBOD enclosure solution



EP-3169J/JD-S3S3

The EPICa EP-3169J/JD-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-3169J/JD-S3S3 supports the choice of SAS (Serial Attached SCSI), and SATA II (Serial ATA) drive configurations to deliver a system bandwidth of up to 1,200 MB/sec.

The ability to mix SAS and SATA drives allows the EP-3169J/JD-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-3169J/JD-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
 - 600W power supplies to meet the future HDD power consumption
 - Airflow Redirector to eliminate pockets of dead air to prevent overheating of the system

- ◆ 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-3169J / JD-S3S3
Form Factor	3U 19" rackmount chassis
Host Bus Interface	4 Lane SAS (Infiniband) / 4 Lane SAS x 2 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	16
Tray Lock	Yes, w/ Lock Indicator
Disk Status Indicator	Access / Fail LED w/ 170° view
Capacity	4.8 TB (at 300GB SAS drive) 12 TB (at 750GB SATA drive)*
Enclosure Monitoring (SES)	In Band SES via SAS
# of PS/Fan Modules	600W x 2 w/PFC
# of Fans per Module	2 (Multi-speed)
Max. Air Flow	210CFM
Power Status Indicator	Yes
Fan Status Indicator	Yes
Air Flow Redirector	Yes
Power Requirements	AC 90V ~ 254V Full Range 10A / 5A at 110V/220V, 50Hz/60Hz
Relative Humidity	10% ~ 85% Non-condensing
Operating Temperature	10°C ~ 40°C (50°F ~ 104°F)
Physical Dimension	577.5(L) x 482.6(W) x 131(H) mm
Weight (Without Disk)	24 Kg

★Optional with SATA dongle board

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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