

EPICa

EP-3169S/D-F4S3



The EPICa EP-3169S/D-F4S3 is Proware's most versatile SAS/SATA II Disk Array system, ideal for midrange and high capacity storage in Windows environments. Based on 4Gb Fibre Channel host interfaces, the EP-3169S/D-F4S3 supports the choice of SAS (Serial Attached SCSI), and SATA II (Serial ATA) drive configurations to deliver a system bandwidth of up to 1200 MB/sec.

The ability to mix SAS and SATA drives allows the EP-3169S/D-F4S3 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-3169S/D-F4S3 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 Controller, 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

Easy-to-use Java-based central management GUI

EP-3169S/D-F4S3

| | |
|--------------------------|--|
| RAID Controller | 4Gb FC-SAS Single / Redundant |
| Host Interface | 4Gb FC x 2 / 4 Up to 400 MB/s per Channel 512 Command Queue Depth |
| Disk Interface | 3.0 Gb SAS SAS / SATA II |
| Capacity | |
| · Direct Attached | 6.4 TB (at 400GB SAS drive) 16 TB (at 1TB SATA drive) * |
| · Expansion | up to 25.6 TB (at 400 GB SAS drive) up to 64 TB (at 1TB SATA drive) * 4 lane SAS expansion |
| Processor Type | 533MHz RISC AMCC 440SPe Embedded R6 XOR Engine |
| Cache Memory | 512MB ~ 2GB / 1GB ~ 4GB 667 MHz DDR II ECC SDRAM |
| Battery Backup | 72 hrs (Optional) |
| Management Port | 10/100/1000 Ethernet auto sensing |
| Monitor Port | RS232 |

RAID Features

| | |
|------------------------------------|---|
| RAID Level | 0, 1, 10, 5, 6 |
| Array Group | up to 64 |
| LUNs | up to 1024 |
| Online RAID Expansion | Yes |
| Global / Local Hot Spares | Yes |
| Drive Roaming | Yes |
| Immediate RAID Availability | Yes |
| Cache Policy Management | Yes |
| Online Rebuild | Yes |
| Variable Stripe Size | Yes |
| Remote Notification | E-mail |
| High Availability | Dual Controller Redundancy Active - Active w/ Mirrored Cache |

Enclosure

| | |
|-----------------------------------|--|
| Platform | Rackmount |
| Form Factor | 3U |
| # of Hot Swap Trays | 16 |
| Tray Lock | Yes, w/ Lock Indicator |
| Disk Status Indicator | Access / Fail LED w/ 170° view |
| Backplane | 3Gb SAS Single BP |
| 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 | 210 CFM |
| Air Flow Redirector | Yes |
| Power Requirements | AC 90V ~ 254V Full Range 10A / 5A at 110V / 220V, 50Hz / 60Hz |

Environmental

| | |
|------------------------------|-----------------------------|
| Relative Humidity | 10% ~ 85% Non-condensing |
| Operating Temperature | 10°C ~ 40°C (50°F ~ 104°F) |
| Physical Dimension | 590(L) x 482(W) x 131(H) mm |
| Weight (Without Disk) | 24.2 / 25.2 Kg |

*Optional with SATA dongle board for EP-3169D-F4S3



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