

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 700 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 44.8 TB (at 400 GB SAS drive) up to 112 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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