

EPICa

EP-2129-F4S3

4GB FC-SAS / SATAII RAID Subsystem



The EPICa EP-2129-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-2129-F4S3 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-2129-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-2129-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, 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

Easy-to-use Java-based central management GUI

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RAID Controller	4Gb FC-SAS
Host Interface	4Gb FC x 2
	Up to 400 MB/s per Channel
	512 Command Queue Depth
Disk Interface	3.0 Gb SAS
	SAS / SATA II
Capacity	
· Direct Attached	4.8 TB (at 400GB SAS drive)
	12 TB (at 1TB SATA drive)
· Expansion	Up to 33.6 TB (84 pcs of 400GB SAS Drive)
	Up to 84 TB (84 pcs of 1TB SATA Drive)
	4 lane SAS expansion
Processor Type	533MHz RISC AMCC 440SPe
	Embedded R6 XOR Engine
Cache Memory	512MB ~ 2GB
	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

Enclosure

Platform	Rackmount
Form Factor	2U
# of Hot Swap Trays	12
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	400W x 2 w/PFC
# of Fans per Module	1 (Multi-speed)
Max. Air Flow	160 CFM
Power Requirements	AC 90V ~ 254V Full Range
	8A ~ 4A, 50Hz ~ 60Hz

Environmental

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



PROWARE TECHNOLOGY CORP.

Tel:886-2-2914-8001(Rep.) Fax:886-2-2914-7975

<http://www.proware.com.tw> E-mail:info@proware.com.tw

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