

# EPICa

## EP-3166J-S3S3

### *JBOD Enclosure Solution*



The EPICa EP-3166J-S3S3 is Proware's most versatile SAS/SATA II Disk Expansion system, ideal for midrange and high capacity storage demand. Based on 3Gb SAS Channel host interfaces, the EP-3166J-S3S3 supporting the choice of SAS and SATA II 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-3166J-S3S3 to be used for a range of applications that require different price/performance characteristics. Cost-effective SATA drives can be selected for capacity orientated 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-3166J-S3S3 configuration gives organizations the flexibility to meet both their technical requirements and budgetary constraints with a single unified solution.

### *Features*

#### ◆ 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

500W 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

<b>Model</b>	<b>EP-3166J-S3S3</b>
<b>Form Factor</b>	3U 19" rackmount chassis
<b>Host Bus Interface</b>	4 Lane SAS 3.0Gb x 1 Up to 300 MB/s per Channel
<b>Expansion Bus Interface</b>	4 Lane SAS 3.0Gb x 1 Up to 300 MB/s per Channel
<b>Disk Bus Interface</b>	3.0 Gb SAS SAS / SATA II
<b>Backplane</b>	3Gb SAS
<b># of Hot Swap Trays</b>	16
<b>Tray Lock</b>	Yes, w/ Lock Indicator
<b>Disk Status Indicator</b>	Access / Fail LED w/ 170° view
<b>Enclosure Monitoring (SES)</b>	In Band SES via SAS
<b># of PS/Fan Modules</b>	500W x 2 w/PFC
<b># of Fans per Module</b>	2 (Multi-speed)
<b>Max. Air Flow</b>	210 CFM
<b>Power Status Indicator</b>	Yes
<b>Fan Status Indicator</b>	Yes
<b>Power Requirements</b>	AC 90V ~ 264V Full Range 9A ~ 4.5A, 47Hz ~ 63Hz
<b>Relative Humidity</b>	10% ~ 85% Non-condensing
<b>Operating Temperature</b>	10°C ~ 40°C (50°F ~ 104°F)
<b>Physical Dimension</b>	590(L) x 482(W) x 131(H) mm
<b>Weight (Without Disk)</b>	24 Kg

Specification are subject to change without notice.  
All company and product names are trademarks of their respective owners.

### 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



**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

**Your Storage Solutions Partner**