

# EPICa

## EP-2124S1/D1-G1S3

iSCSI-SAS/SATAII Redundant RAID Subsystem



### Unparalleled Performance

- Supports Dual-active controllers
- Front-end 8 x 1Gb iSCSI
- Supports 802.3ad port trunking, Link Aggregation Control Protocol (LACP)
- High data bandwidth of system architecture by powerful 64-bit RAID processor

### Unsurpassed Data Availability

- RAID 6 capability provides the highest level of data protection
- Supports snapshot-on-the-box w/o relying on host software
- Supports Microsoft Windows Volume Shadow Copy Services (VSS)

### Exceptional Manageability Menu-driven front panel display

- Management GUI via serial console, SSH telnet, Web and secure web(HTTPS)
- Event notification via Email and SNMP trap
- Menu-driven front panel display

### Features

- Front-end 8 x 1Gb ports support independent access, fail-over and load balancing(802.3ad port trunking, LACP)
- Supports iSCSI jumbo frame
- Supports Microsoft Multipath I/O (MPIO)
- Supports RAID levels 0, 1, 0+1, 3, 5, 6, 10, 30, 50, 60 and JBOD
- Local N-way mirror: Extension to RAID 1 level, N copies of the disk
- Global and dedicated hot spare disks
- Write-through or write-back cache policy for different application usage
- Supports greater than 2TB per volume set (64-bit LBA support)
- Supports manual or scheduling volume snapshot (up to 32 snapshot)
- Snapshot rollback mechanism
- On-line volume migration with no system down-time
- Online volume expansion
- Instant RAID volume availability and background initialization
- Supports S.M.A.R.T, NCQ and OOB Staggered Spin-up capable drives

## Series Technical Specifications

<b>Model</b>	<b>EP-2124S1/D1-G1S3</b>
<b>RAID Controller</b>	iSCSI-SAS
<b>Controller</b>	Single / Dual (Redundant)
<b>Host Interface</b>	Four 1Gb/s Ethernet (per controller)
<b>Disk Interface</b>	SAS 3Gb or SATA II*
<b>SAS expansion</b>	4x mini SAS (3Gb/s)
<b>Processor Type</b>	Intel IOP342 64-bit (Chevelon dual core)
<b>Cache Memory</b>	2GB~4GB DDR-II ECC SDRAM (per controller)
<b>Battery Backup</b>	Optional Hot Pluggable BBM
<b>Management Port support</b>	Yes
<b>Monitor Port support</b>	Yes
<b>UPS connection</b>	Yes
<b>RAID level</b>	0, 1, 0+1, 3, 5, 6, 10, 30, 50, 60 and JBOD
<b>Logical volume</b>	Up to 1024
<b>iSCSI Jumbo frame support</b>	Yes
<b>Supports Microsoft Multipath I/O (MPIO)</b>	Yes
<b>802.3ad Port Trunking, LACP Support</b>	Yes
<b>Host connection</b>	Up to 32
<b>Host clustering</b>	Up to 16 for one logical volume
<b>Manual / scheduling volume snapshot</b>	Up to 32
<b>Hot spare disks</b>	Global and dedicated
<b>Host access control</b>	Read-Write & Read-Only
<b>Online Volume migration</b>	Yes
<b>Online Volume sets expansion</b>	Yes
<b>Configurable stripe size</b>	Yes
<b>Auto volume rebuild</b>	Yes
<b>N-way mirror (N copies of the disk)</b>	Yes
<b>Microsoft Windows Volume Shadow Copy Services (VSS)</b>	Yes
<b>Supports CHAP authentication</b>	Yes
<b>S.M.A.R.T. support</b>	Yes
<b>Snapshot rollback mechanism support</b>	Yes
<b>Platform</b>	Rackmount
<b>Form Factor</b>	2U
<b># of Hot Swap Trays</b>	12
<b>Tray Lock</b>	Yes
<b>Disk Status Indicator</b>	Access / Fail LED
<b>Backplane</b>	SAS2 / SATA3 Single BP
<b># of PS/Fan Modules</b>	460W x 2 w/PFC (80 plus)
<b># of Fans</b>	2
<b>Power requirements</b>	AC 90V ~ 264V Full Range, 10A~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>	555(L) x 482(W) x 88(H) mm
<b>Weight (Without Disk)</b>	14.5 / 16 Kg

\* Redundant controller request optional dongle board for SATA hard drive.

Specification is subject to change without notice.

All company and product names are trademarks of their respective owners.



UNIFOSA 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**