

# EPICa

## EP-3164S1/D1-GAS3

iSCSI-SAS/SATAII Redundant RAID Subsystem



### Unparalleled Performance

- Supports Dual-active controllers
- Front-end 4 x 10Gb 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 4 x 10Gb 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-3164S1/D1-GAS3</b>
<b>RAID Controller</b>	iSCSI-SAS
<b>Controller</b>	Single / Dual (Redundant)
<b>Host Interface</b>	Two 10Gb/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>	3U
<b># of Hot Swap Trays</b>	16
<b># of Expansion Disks</b>	Up to 64 disks
<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 131(H) mm
<b>Weight (Without Disk)</b>	19 / 20.5 Kg

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

Specification is subject to change without notice.

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