

EPICa

EP-3164S1/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

| Model | EP-3164S1/D1-G1S3 |
|--|---|
| RAID Controller | iSCSI-SAS |
| Controller | Single / Dual (Redundant) |
| Host Interface | Four 1Gb/s Ethernet (per controller) |
| Disk Interface | SAS 3Gb or SATA II* |
| SAS expansion | 4x mini SAS (3Gb/s) |
| Processor Type | Intel IOP342 64-bit (Chevelon dual core) |
| Cache Memory | 2GB~4GB DDR-II ECC SDRAM (per controller) |
| Battery Backup | Optional Hot Pluggable BBM |
| Management Port support | Yes |
| Monitor Port support | Yes |
| UPS connection | Yes |
| RAID level | 0, 1, 0+1, 3, 5, 6, 10, 30, 50, 60 and JBOD |
| Logical volume | Up to 1024 |
| iSCSI Jumbo frame support | Yes |
| Supports Microsoft Multipath I/O (MPIO) | Yes |
| 802.3ad Port Trunking, LACP Support | Yes |
| Host connection | Up to 32 |
| Host clustering | Up to 16 for one logical volume |
| Manual / scheduling volume snapshot | Up to 32 |
| Hot spare disks | Global and dedicated |
| Host access control | Read-Write & Read-Only |
| Online Volume migration | Yes |
| Online Volume sets expansion | Yes |
| Configurable stripe size | Yes |
| Auto volume rebuild | Yes |
| N-way mirror (N copies of the disk) | Yes |
| Microsoft Windows Volume Shadow Copy Services (VSS) | Yes |
| Supports CHAP authentication | Yes |
| S.M.A.R.T. support | Yes |
| Snapshot rollback mechanism support | Yes |
| Platform | Rackmount |
| Form Factor | 3U |
| # of Hot Swap Trays | 16 |
| # of Expansion Disks | Up to 64 disks |
| Tray Lock | Yes |
| Disk Status Indicator | Access / Fail LED |
| Backplane | SAS2 / SATA3 Single BP |
| # of PS/Fan Modules | 460W x 2 w/PFC (80 plus) |
| # of Fans | 2 |
| Power requirements | AC 90V ~ 264V Full Range, 10A~5A, 47Hz~63Hz |
| Relative Humidity | 10% ~ 85% Non-condensing |
| Operating Temperature | 10°C ~ 40°C (50°F ~ 104°F) |
| Physical Dimension | 555(L) x 482(W) x 131(H) mm |
| Weight (Without Disk) | 19 / 20.5 Kg |

* In dual controller mode, SAS drives are recommended since they are dual ported.

Specification is subject to change without notice.

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UNIFOSA 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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