

EPICa

EP-2124S1/D1-G1S6

EP-2124S1/D1-GAS6

2U 12Bay iSCSI – 6G SAS Redundant RAID Subsystem



Unparalleled Performance & Reliability

- Support Dual-active controllers
- Supports 802.3ad port trunking, Link Aggregation Control Protocol (LACP) with VLAN
- High data bandwidth of system architecture by powerful INTEL 64-bit RAID processor

Unsurpassed Data Availability

- RAID 6 capability provides the highest level of data protection
- Supports Snapshot, Volume cloning, Replication, Thin Provision
- 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

- 2U 12Bay rack-mount redundant RAID subsystem with SBB compliant controller.
- Supports iSCSI jumbo frame
- Supports Microsoft Multipath I/O (MPIO), MC/S
- 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, local 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 64 snapshot)
- Snapshot rollback mechanism
- On-line volume migration with no system down-time
- Online volume expansion
- Instant RAID volume availability and background initialization
- Automatic synchronization of firmware version in the dual-active mode
- Supports S.M.A.R.T, NCQ and OOB Staggered Spin-up capable drives
- Supports fast rebuild
- High efficiency power supply which compliant with 80plus



Series Technical Specifications

| Model | EP-2124S1/D1-G1S6 | EP-2124S1/D1-GAS6 |
|--|---|---|
| RAID Controller | iSCSI - 6G SAS | iSCSI - 6G SAS |
| Controller | Single or Redundant | Single or Redundant |
| Host Interface | 6 x 1Gb Ethernet (per Controller) | 2 x10Gb Ethernet & 2 x1Gb (per Controller) |
| Disk Interface | 6Gb SAS or 6Gb SATA* | 6Gb SAS or 6Gb SATA* |
| SAS expansion | One 6Gb SAS (SFF-8088) | One 6Gb SAS (SFF-8088) |
| Processor Type | INTEL Xeon processor | INTEL Xeon processor |
| Cache Memory | 4GB~16GB DDR3 ECC SDRAM (per Controller) | 4GB~16GB DDR3 ECC SDRAM (per Controller) |
| Battery Backup | Optional Hot Pluggable BBM | Optional Hot Pluggable BBM |
| Management Port support | Yes | Yes |
| Monitor Port support | Yes | Yes |
| UPS connection | Yes | Yes |
| RAID level | 0,1,0+1,3,5,6,10,30,50,60 and JBOD | 0,1,0+1,3,5,6,10,30,50,60 and JBOD |
| Logical volume | Up to 4096 | Up to 4096 |
| iSCSI Jumbo frame support | Yes | Yes |
| Supports Microsoft Multipath I/O (MPIO) | Yes | Yes |
| 802.3ad Port Trunking, | Yes | Yes |
| LACP Support | | |
| Host connection | Up to 128 | Up to 128 |
| Host clustering | Up to 16 for one logical volume | Up to 16 for one logical volume |
| Manual/scheduling volume snapshot | Up to 64 | Up to 64 |
| Hot spare disks | Global, local and dedicated | Global, local and dedicated |
| Host access control | Read-Write & Read-Only | Read-Write & Read-Only |
| Online Volume migration | Yes | Yes |
| Online Volume sets expansion | Yes | Yes |
| Configurable stripe size | Yes | Yes |
| Auto volume rebuild | Yes | Yes |
| N-way mirror (N copies of the disk) | Yes | Yes |
| Microsoft Windows Volume Shadow Copy Services (VSS) | Yes | Yes |
| Supports CHAP authentication | Yes | Yes |
| Thin Provision | Yes | Yes |
| Local Clone | Yes | Yes |
| Remote Replication | Yes | Yes |
| VAAI (vStorage APIs for Array Integration) | Yes | Yes |
| S.M.A.R.T. support | Yes | Yes |
| Snapshot rollback mechanism support | Yes | Yes |
| Platform | Rackmount | Rackmount |
| Form Factor | 2U | 2U |
| # of Hot Swap Trays | 12 | 12 |
| Tray Lock | Yes | Yes |
| Disk Status Indicator | Access / Fail LED | Access / Fail LED |
| Backplane | 6Gb SAS / SATA Single BP | 6Gb SAS / SATA Single BP |
| # of PS/Fan Modules | 460W x 2 w/PFC | 460W x 2 w/PFC |
| # of Fans | 2 | 2 |
| Power requirements | AC 90V~264V Full Range, 10A~5A,47Hz~ 63Hz (per module) | AC 90V~264V Full Range, 10A~5A,47Hz~ 63Hz (per module) |
| Relative Humidity | 10% ~ 85% Non-condensing | 10% ~ 85% Non-condensing |
| Operating Temperature | 10°C ~ 40°C (50°F ~ 104°F) | 10°C ~ 40°C (50°F ~ 104°F) |
| Physical Dimension | 555(L) x 482(W) x 88(H) mm | 555(L) x 482(W) x 88(H) mm |
| Weight (Without Disk) | 14.5kg / 16 kg | 14.5Kg / 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