

EPICa

EN-2123AH-SQX

NAS SATA II RAID subsystems



Companies are looking for cost-effective storage solutions which can offer the high performance, high scalability and reliability. As the number of users and the amount of data grows, Network Attached Storage is becoming a critical technology and the need for an optimized solution is becoming an important requirement. Proware delivers the EPICA NAS subsystem together with the proNAS management solution, proNAS High-Availability and proBackup client backup solution to provide businesses with the most flexible, scalable, securable and manageable NAS environment. It helps to control the total cost of ownership for data management.

The EN-2123AH-SQX is an SATA II NAS Subsystem with proNAS 1.3 operating system. It enhances system availability, and manages complex storage environments easily. For improving business productivity and minimizing business risks, EN-2123AH-SQX provides a volume replication and a volume snapshot function. It is also a full featured data protection system supporting RAID levels 0, 1, 3, 5, 6, 10(1E) and JBOD. It supports hot spares, automatic hot rebuild and online capacity expansion within the enclosure.

NAS Features

- Configurable to 19" rack-mountable 2U chassis
- INTEL Sandy Bridge inside
- Supports up to Twelve (12) 2.5" and 3.5" hot-swappable SATA II hard drives
- Supports Tape/DAT backup/restore (Option)
- Supports RAID levels 0, 1, 3, 5, 6, 10(1E) and JBOD
- Smart-function LCD panel for ENC status
- Supports hot spare, automatic hot rebuild and online expansion file system
- Allows online capacity expansion within the enclosure
- Three Gigabit Ethernet ports, Support optional 10 Gigabit Ethernet
- Support IPMI2.0
- 64 bit Linux-based embedded system
- Centralization of Data and Storage Management
- Using Market-Leading Java Technology
- Latest volume snapshot technology
- Apply volume replication to enhance data protection
- Support logical volume over 2TB (Maximum 8 Exabytes)
- Support iSCSI Target and iSCSI Target trunking
- Support SFTP file transmission
- Support SNMP remote monitor system with hardware status
- Support Ethernet trunking to 8 ports
- Data Backup via backup plan and scheduling
- Enhance system configuration backup
- Local and external account management, support large account import
- Share management and permission (support ACL setting)
- Support E-mail notification and system log information



Series Technical Specifications

EN-2123AH-SQX

NAS Hardware Specification

Hardware Platform

Intel Quad Core Xeon 3.1GHz Processor
Cache memory : 2GB DDR3 ECC SDRAM up to 32GB
Three Gigabit Ethernet ports (10 Gigabit Ethernet option)
Up to Twelve (12)1" hot-swappable SATA II (3Gb/s, NCQ support) hard drives
Real time drive activity and status indicators
Environmental monitoring unit
Two(2) 400W hot-swap power supplies with PFC
Expansion PCI slot for H/W upgrade

Power Requirements

AC 90V ~ 264V Full range
8A ~ 4A, 47Hz ~ 63Hz

RAID Controller

400MHz storage I/O processor
RAID level RAID 0, 1, 3, 5, 6, 10(1E) and JBOD
Supports 256MB cache memory
Supports hot spare and automatic hot rebuild
Allows online capacity expansion within the enclosure
Local audible event notification alarm

Environmental

Physical dimension : 88(H) x 482(W) x 600(D) mm
Relative humidity : 10%~85% Non-condensing
Operating temp : 10°C~40°C(50°F~104°F)

NAS Functionality

Storage Management

Volume Management (Support XFS, ext3 & ext4 file system)
Disk usage statistics
Hot spare capability
iSCSI Target Manager : Support LUN Mapping / Initiator filter
FC Target Manager : Support LUN Mapping / WWN filter

General

File Server Independent
Multiple language support
Support UPS management
Support LV encryption

System Management

Automatic IP address configuration
Self-contained unit - no extras needed
Management through Web browser
Flash upgradeable unit
SNMP / MRTG management and notification
Fail-free online firmware upgrade
Unicode support

Multi-node Management GUI

proNAS Data and Configuration Backup
Central Management

Networking

Supports NIC / Trunking / load balance / fail over / 802.3ad
DHCP Server / DHCP Client
WINS Server
Internet gateway

Client Operating Systems Support

Microsoft® Windows® 98/ ME/ NT/ 2000 /XP /2003 /Vista /2008 /7
Unix / Linux
Mac OS

Protocols

TCP/IP, SMB/CIFS, NFS, SNMP, FTP/SFTP/FXP, HTTP, HTTPS, Telnet, SSH, (Novell by TCP/IP, WebDAV), (Mac by SMB/CIFS/AFP)

Authentication

Local User Account/Group
Microsoft NT Domain Controller (PDC)
Microsoft Active Directory Authentication (ADS)

Network Information Service (NIS)
Support batch creating users/Group

User quota management
Share level security

File level security
User ID security for NFS

Recycle bin (Samba)
Audit file access (Samba)
Write once read many (WORM)

Block Storage

iSCSI Target Support
Fiber Target Support (optional)

Data Backup / Restore

Symantec BackupExec Agent (by extra installation)
Scheduling Multi-Snapshot (Support snapshot of iSCSI & FC)
Replication(Remote RealTime Data mirror)
proNAS High-Availability (optional)
Scheduling Duplication
Scheduling Rsync Replication
proBackup from client to NAS
Support NetVaultR backup Client (by extra installation)
Support CA ARCserve (by extra installation)
Support CDP ARCserve (by additional installation)
Support Mac Time machine

The capability of backup/restore service depends on memory resource. Please contact your vendor for more detail information
Specification are subject to change without notice.
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