EPICa

EN-3160S6H-PDC

3U Rack-Mounted 6G SAS/SATA NAS Subsystems

Companies are looking for cost-effective storage solutions which can offer the best 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.

The EN-3160S6H-PDC (6G SAS/SATA NAS Subsystem) is a reliable, cost-effective way to add storage to the network. It comes with 16 drive trays accommodating 3.5" SAS2 or SATA3 drives. Built-in Intel Pentium Dual Core 1.8G CPU (or above), 2GB SDRAM and two Gigabit Ethernet ports offers high performance NAS platform. Linux based embedded OS design within Disk on Module for guarantee reliability and boot quickly. The EN-3160S6H-PDC system is managed by proNAS 1.x operating system, it enhances system availability, and manages complex storage environments easily. EN-3160S6H-PDC Equipped with RAID function to offer fault tolerant data protection. It is a full featured data protection supporting RAID levels 0, 1, 5, 6, 10, Linear(JBOD).

Features

- Configurable to 19" rack-mountable 3U chassis
- Supports up to Sixteen (16) 2.5" and 3.5" hot-swappable SAS2/ SATA3 hard drives
- Supports RAID levels 0, 1, 5, 6, 10, Linear(JBOD)
- Smart-function LCD panel for RAID, environment status display and IP address setting
- Supports auto-hot spare and automatic hot rebuild
- 64 bit Linux based embedded OS design
- Centralization of Data and Storage Management
- Latest volume snapshot technology
- Apply volume replication to enhance data protection
- Data Backup via backup plan and scheduling
- Enhance system configuration backup
- Local and external account management
- Large account import
- Share management and permission
- Advance ACL setting for project share
- Support Internet Gateway function
- Online expansion file system
- Support E-mail notification and system log information
- Multi application support via proFamily
- Support Multiple Protocol

Series Technical Specifications

EN-3160S6H-PDC

Hardware Specification

Intel Pentium Dual Core 1.8G CPU (or above)	
Cache memory : 2GB DDRIII 1066MHz (up to 8GB)	
Supports 16 SAS2 / SATA3 hard drives	
Two Gigabit Ethernet port	
Environmental monitoring unit	
Two(2) 460W 80plus hot-swap power supplies with PFC	

RAID Controller Specifications

Highpoint 6G SAS RocketRAID 2740

Support RAID level: 0, 1, 5, 6, 10, Linear(JBOD)

Power requirements

AC 100V ~ 240V Full range

10A ~ 5A, 47~63Hz

Environmental

Relative Humidity : 10% ~ 85% Non-condensing

Operating Temp : $10^{O}C \sim 40^{O}C$ ($50^{O}F \sim 104^{O}F$)

Physical Dimension

133(H) x 482(W) x 730(D)mm

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

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 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

Unix / Linux

Mac OS

Protocols

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

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

Data Backup / Restore

Symantec BackupExec Agent (by additional 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 additional installation)

Support CA ARCserve (by additional installation)

Support CDP Server (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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