EPICa

EN-3160 6G SATA NAS
EN-3160A6T-PDC

As the number of users and the amount of data grows, how to find a storage which can offer complete data protection, good performance, with reliability and high scalability is the key for all enterprises and companies. The EN-3160 6G SATA NAS based on latest proNAS 3.1 operating system. Except for basic NAS functions, it supports a variety of advanced storage management and application features such as VAAI, Thin-Provisioning, etc, and it can be deployed easily in any IT environment since it supports multiple interfaces for different host server and clients.

For data protection, EN-3160 supports RAID level 0, 1, 5, 6, 10 and 50 mode, and drives can be set hot spares, have automatically hot rebuilding and online capacity expansion within the enclosure. EN-3160 has a fully-featured backup solution including manual or scheduled backup for file, folder, and shares, and it can be backup and restore from multiple local or remote devices. And there are volume clone, snapshot, remote replication, and data copy for options, which are all designed to ensure and enhance your precious data.

Features

- Account Manager support NIS
- Allows online capacity expansion within the enclosure
- Backup to Cloud (Amazon S3)
- Backup/Restore from attached storage (USB/eSATA/iSCSI/RDX/USM)
- Backup/Restore from remote share (CIFS/NFS)
- Bonjour Protocol, easily connect to NAS
- Compression (Support on ZFS file system)
- Central data and storage management
- Data backup via backup plan/schedule
- Data copy (1:1)
- Deduplication (Support on ZFS file system)
- EXT4 support extend over 16TB
- iSCSI/share volume replication
- ISO mount
- Latest volume snapshot technology
- Local and external account management, support large account import

- Online expansion file system
- Plug-in management
- Select share or file for backup/restore
- Share management and permission (support ACL setting)
- Support Internet Gateway
- Support iSCSI target for IP SAN
- Support iSCSI initiator
- Support iSCSI multi host
- Support e-mail notification, SNMP Trap/MIB and system log
- System configuration backup/restore
- Thin Provisioning
- Volume Clone (EXT3/EXT4/XFS/NTFS/VMFS /ZFS)
- Volume replication to enhance data protection
- VMware ESXi 5 iSCSI/NFS VAAI support
- Wizard-oriented GUI design
- WORM (Write Once Read Many) support CIFS/NFS

Series Technical Specifications

EN-3160A6T-PDC

NAS Hardware Specification

Intel Pentium Dual Core 3.2GHz CPU or above	**RAID Controller**
Cache memory : 8GB DDR3 up to 16GB	Highpoint RocketRAID 2720
Four USB3.0 and Two USB2.0 ports	Support RAID level: RAID 0, 1, 5, 6, 10, 50
Two Gigabit Ethernet ports	Support drive hot spare and automatic hot rebuild
Up to Sixteen 2.5"/3.5" hot-swappable 6Gb/s SATA hard drives	Allow online capacity expansion within the enclosure
Real-time drive activity and status indicators	Locally audible event notification alarm
Environmental monitoring unit	**Physical Dimension**
Two(2) 460W 80plus hot-swappable power supplies with PFC	133(H) x 482(W) x 730(D) mm
Environmental	**Power requirements**
Operating temp : 10°C~40°C(50°F~104°F)	AC 100V ~ 240V Full range
Relative humidity : 10%~85% Non-condensing	10A ~ 5A, 47~63Hz

NAS Functionality

Storage Management	Microsoft Active Directory Authentication (ADS)
Volume management (Support ZFS, XFS, EXT3 and EXT4 file system)	Network Information Service (NIS)
	Support OpenLDAP service
Support Compression and Deduplication (Support on ZFS file system)	Support creating users by batch
	User quota management
Disk usage statistics	Share level security
Hot spare drives	File level security
iSCSI Target manager: Support LUN Mapping/Initiator Filter/Thin Provisioning	User ID security for NFS
	Recycle bin (Samba)
VAAI support for iSCSI/NFS	File access log, audit (Samba)
General	Write Once Read Many (WORM)
Independent file server	**Block Storage**
Multiple language support	iSCSI Target Support
Support UPS	Thin Provisioning support
Support LV encryption	VMware VAAI support
System Management	**Virtualization**
Automatic IP address configuration	VMware/Citrix/Hyper-V
Web browser-based management	VMware VAAI for NFS support
SNMP management and notification	**Attached Storage**
Fail-free online firmware upgrade	ISO Mount
Unicode support	USB/eSATA*/iSCSI initiator
Multi-node management GUI	**Data Backup / Restore**
System configuration backup/restore	Volume Clone (EXT3/EXT4/XFS/NTFS/VMFS/ZFS)
Central management	Symantec BackupExec Agent (by additional installation)
Quick wizard	Scheduling multi-snapshot (Support iSCSI snapshot)
Networking	Replication (Remote realtime data mirroring)
Support NIC/Trunking/Load Balance/Fail Over/802.3ad	Scheduling Rsync Replication
DHCP Server/DHCP Client	Support NetVault backup client (by additional installation)
WINS Server	Support CA ARCserve (by additional installation)
Internet gateway	Data copy (copy files to other share/attached storage)
DDNS	Scheduling backup
Protocols	Differential/incremental backup
TCP/IP, SMB/CIFS, NFS, SNMP, FTP/SFTP/FXP, HTTP, HTTPS, Telnet, SSH, AFP, WebDAV, Bonjour, TFTP	iSCSI Replication
	Amazon S3 backup
Client Operating Systems Support	backup/restore from attached storage
Microsoft® Windows® 98/ME/NT/2000/XP/2003/Vista/2008/Win7/ Windows 2012/Win 8/Win 10/2016	(USB/eSATA*/iSCSI/RDX*/USM*)
	Support Apple Time Machine
Unix/Linux	**Plug-in management**
Mac OS	Anti-Virus
Authentication	Central management
Local user account/group	iTunes Server
Microsoft NT Domain Controller (PDC)	Virtualization (VM on NAS)

* By OEM request

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