

EPICa

EN-3166 12G SAS NAS EN-3166JSCT-SQX



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-3166 12G SAS 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, HA, 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-3166 supports RAID level 0, 1, 5, 6, 10, 50 and 60 mode, and drives can be set hot spares, have automatically hot rebuilding and online capacity expansion within the enclosure. EN-3166 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
- Android/iOS mobile APP for monitoring
- 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
- HA support Active-Active mode
- HA support iSCSI/FC volume
- HA support Three nodes
- iSCSI/FC/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 Fiber target for Fiber SAN (Optional)
- 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
- SSD Caching (Read cache, Support on ZFS file system)
- Thin Provisioning
- Volume Clone (EXT3/EXT4/XFS/NTFS/VMFS/ZFS)
- Volume replication to enhance data protection
- Volume switch between iSCSI and FC Target
- VMware ESXi 5 iSCSI/FC/NFS VAAI support
- Wizard-oriented GUI design
- WORM (Write Once Read Many) support CIFS/NFS



Series Technical Specifications

EN-3166JSCT-SQX

NAS Hardware Specification

Intel Quad Core Xeon 3.1G processor	Supports 1GB DDRIII cache memory
Cache memory : 8GB DDR3 ECC SDRAM up to 32GB	Supports hot spare and automatic hot rebuild
Four Gigabit Ethernet ports (10 Gigabit Ethernet for options)	Allows online capacity expansion within the enclosure
Up to Sixteen 2.5"/3.5" hot-swappable 12Gb/s SAS, 6Gb/s SATA hard drives	Local audible event notification alarm
Connect up to 128 3Gb/s, 6Gb/s, or 12Gb/s SATA and SAS devices	Environmental
Real-time drive activity and status indicators	Operating temp : 10°C~40°C(50°F~104°F)
Environmental monitoring unit	Relative humidity : 10%~85% Non-condensing
Two(2) 460W 80plus hot- swappable power supplies with PFC	Physical Dimension
Spare PCIE/PCI slot for H/W upgrade	133(H) x 482(W) x 730(D) mm
RAID Controller	Power requirements
1.2GHz dual core RAID on Chip (ROC) storage processor	AC 100V ~ 240V Full range
Supports RAID level: RAID 0, 1, 5, 6, 10, 50 and 60	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 SSD Caching, Compression and Deduplication (Support on ZFS file system)	Support OpenLDAP service
Disk usage statistics	Support creating users by batch
Hot spare drives	User quota management
iSCSI Target manager: Support LUN Mapping/Initiator Filter/Thin Provisioning	Share level security
FC Target manager: Support LUN Mapping/Thin Provisioning	File level security
VAAI support for iSCSI/FC/NFS	User ID security for NFS
General	Recycle bin (Samba)
Independent file server	File access log, audit (Samba)
Multiple language support	Write Once Read Many (WORM)
Support UPS	Block Storage
Support LV encryption	iSCSI Target Support
System Management	Fiber Target Support (optional)
Automatic IP address configuration	Thin Provisioning support
Web browser-based management	VMware VAAI support
SNMP management and notification	Virtualization
Fail-free online firmware upgrade	VMware/Citrix/Hyper-V
Unicode support	VMware VAAI for NFS support
Multi-node management GUI	Attached Storage
System configuration backup/restore	ISO Mount
Central management	USB/eSATA*/iSCSI initiator
Quick wizard	Data Backup / Restore
APP for Android/iOS monitoring	Volume Clone (EXT3/EXT4/XFS/NTFS/VMFS/ZFS)
Networking	Symantec BackupExec Agent (by additional installation)
Support NIC/Trunking/Load Balance/Fail Over/802.3ad	Scheduling multi-snapshot (Support iSCSI & FC snapshot)
DHCP Server/DHCP Client	Replication (Remote realtime data mirroring)
WINS Server	proNAS High-Availability (Three(3) nodes HA Cluster)(optional)
Internet gateway	Scheduling Rsync Replication
DDNS	Support NetVault backup client (by additional installation)
Protocols	Support CA ARCserve (by additional installation)
TCP/IP, SMB/CIFS, NFS, SNMP, FTP/SFTP/FXP, HTTP, HTTPS,	Data copy (copy files to other share/attached storage)
Telnet, SSH, AFP, WebDAV, Bonjour, TFTP	Scheduling backup
Client Operating Systems Support	Differential/incremental backup
Microsoft® Windows® 98/ME/NT/2000/XP/2003/Vista/2008 /Win7/	iSCSI/FC Replication
Windows 2012/Win 8	Amazon S3 backup
Unix/Linux	backup/restore from attached storage
Mac OS	(USB/eSATA*/iSCSI/RDX*/USM*)
Authentication	Support Apple Time Machine
Local user account/group	Plug-in management
Microsoft NT Domain Controller (PDC)	Anti-Virus
	Central management
	iTunes Server
	Virtualization (VM on NAS)

* By OEM request

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