

EPICa

EN-3166 12G SAS NAS

EN-3166JSCB-RQX 10GbE



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 3.6 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
- 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-Standby mode
- HA support iSCSI/FC volume
- HA support Two 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/Btrfs)
- 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

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NAS Hardware Specification

Intel 8 Cores Xeon 2.1GHz or above, Single/Dual processor	Supports RAID level: RAID 0, 1, 5, 6, 10, 50 and 60
Cache memory : 16GB DDR4 REG/ECC SDRAM, up to 1TB	Supports 1GB DDRIII cache memory
Two USB3.0 ports , Two USB2.0 ports	Supports hot spare and automatic hot rebuild
Two 10Gb Ethernet ports and one RJ45 Dedicated IPMI LAN port	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 PCI-E 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
	10A ~ 5A, 47~63Hz

NAS Functionality

Storage Management	Network Information Service (NIS)
Volume management (Support Btrfs, ZFS, XFS, EXT3 and EXT4 file system)	Support OpenLDAP service
Support SSD Caching, Compression and Deduplication (Support on ZFS file system)	Support creating users by batch
Disk usage statistics	User quota management
Hot spare drives	Share level security
iSCSI Target manager: Support LUN Mapping/Initiator Filter/Thin Provisioning	File level security
FC Target manager: Support LUN Mapping/Thin Provisioning	User ID security for NFS
VAAI support for iSCSI/FC/NFS	Recycle bin (Samba)
General	File access log, audit (Samba)
Independent file server	Write Once Read Many (WORM)
Multiple language support	Block Storage
Support UPS	iSCSI Target Support
Support LV encryption	Fiber Target Support (optional)
System Management	Thin Provisioning support
Automatic IP address configuration	VMware VAAI support
Web browser-based management	Virtualization
SNMP management and notification	VMware/Citrix/Hyper-V
Fail-free online firmware upgrade	VMware VAAI for NFS support
Unicode support	Attached Storage
Multi-node management GUI	ISO Mount
System configuration backup/restore	USB/eSATA*/iSCSI initiator
Central management	Data Backup / Restore
Quick wizard	Volume Clone (EXT3/EXT4/XFS/NTFS/VMFS/ZFS/Btrfs)
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 (Two(2) nodes HA)(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/Win 10/2016	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
Microsoft Active Directory Authentication (ADS)	Central management
	iTunes Server
	Virtualization (VM on NAS)

* By OEM request

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