

# EPICa

## EN-3166 6G SAS NAS EN-3166JS6T-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 6G 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
- 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)
- 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-3166JS6T-SQX

### NAS Hardware Specification

Intel Quad Core Xeon 3.1G processor	Supports 512MB DDRII 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 6Gb/s SAS/SATA hard drives	Local audible event notification alarm
Real-time drive activity and status indicators	<b>Environmental</b>
Environmental monitoring unit	Operating temp : 10°C~40°C(50°F~104°F)
Two(2) 460W 80plus hot- swappable power supplies with PFC	Relative humidity : 10%~85% Non-condensing
Spare PCIe/PCI slot for H/W upgrade	<b>Physical Dimension</b>
<b>RAID Controller</b>	133(H) x 482(W) x 730(D) mm
800MHz RAID-On-Chip storage processor	<b>Power requirements</b>
Supports RAID level: RAID 0, 1, 5, 6, 10, 50 and 60	AC 100V ~ 240V Full range
	10A ~ 5A, 47~63Hz

### NAS Functionality

<b>Storage Management</b>	Network Information Service (NIS)
Volume management (Support 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)
<b>General</b>	File access log, audit (Samba)
Independent file server	Write Once Read Many (WORM)
Multiple language support	<b>Block Storage</b>
Support UPS	iSCSI Target Support
Support LV encryption	Fiber Target Support (optional)
<b>System Management</b>	Thin Provisioning support
Automatic IP address configuration	VMware VAAI support
Web browser-based management	<b>Virtualization</b>
SNMP management and notification	VMware/Citrix/Hyper-V
Fail-free online firmware upgrade	VMware VAAI for NFS support
Unicode support	<b>Attached Storage</b>
Multi-node management GUI	ISO Mount
System configuration backup/restore	USB/eSATA*/iSCSI initiator
Central management	<b>Data Backup / Restore</b>
Quick wizard	Volume Clone (EXT3/EXT4/XFS/NTFS/VMFS/ZFS)
<b>Networking</b>	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)
<b>Protocols</b>	Support CA ARCserve (by additional installation)
TCP/IP, SMB/CIFS, NFS, SNMP, FTP/SFTP/FXP, HTTP, HTTPS, Telnet, SSH, AFP, WebDAV, Bonjour, TFTP	Data copy (copy files to other share/attached storage)
<b>Client Operating Systems Support</b>	Scheduling backup
Microsoft® Windows® 98/ME/NT/2000/XP/2003/Vista/2008 /Win7/Windows 2012/Win 8/Win 10/2016	Differential/incremental backup
Unix/Linux	iSCSI/FC Replication
Mac OS	Amazon S3 backup
<b>Authentication</b>	backup/restore from attached storage (USB/eSATA*/iSCSI/RDX*/USM*)
Local user account/group	Support Apple Time Machine
Microsoft NT Domain Controller (PDC)	<b>Plug-in management</b>
Microsoft Active Directory Authentication (ADS)	Anti-Virus
	Central management
	iTunes Server
	Virtualization (VM on NAS)

#### \* By OEM request

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