

# EPICa

## EN-3166 6G SAS NAS EN-3166JS6T-RQX



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
- 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-3166JS6T-RQX

### NAS Hardware Specification

Intel Six Core Xeon 2.4GHz or above, Single/Dual processor	Supports 512MB DDRII cache memory
Cache memory : 16GB DDR4 REG/ECC SDRAM, up to 512GB	Supports hot spare and automatic hot rebuild
Two USB3.0 ports	Allows online capacity expansion within the enclosure
Four Gigabit Ethernet ports and one RJ45 Dedicated IPMI LAN port	Local audible event notification alarm
Up to Sixteen 2.5"/3.5" hot-swappable 6Gb/s SAS/SATA hard drives	<b>Environmental</b>
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	<b>Physical Dimension</b>
Spare PCI-E slot for H/W upgrade	133(H) x 482(W) x 730(D) mm
<b>RAID Controller</b>	<b>Power requirements</b>
800MHz RAID-On-Chip 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

<b>Storage Management</b>	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
<b>General</b>	Recycle bin (Samba)
Independent file server	File access log, audit (Samba)
Multiple language support	Write Once Read Many (WORM)
Support UPS	<b>Block Storage</b>
Support LV encryption	iSCSI Target Support
<b>System Management</b>	Fiber Target Support (optional)
Automatic IP address configuration	Thin Provisioning support
Web browser-based management	VMware VAAI support
SNMP management and notification	<b>Virtualization</b>
Fail-free online firmware upgrade	VMware/Citrix/Hyper-V
Unicode support	VMware VAAI for NFS support
Multi-node management GUI	<b>Attached Storage</b>
System configuration backup/restore	ISO Mount
Central management	USB/eSATA*/iSCSI initiator
Quick wizard	<b>Data Backup / Restore</b>
APP for Android/iOS monitoring	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 (Three(3) nodes HA Cluster)(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,	Data copy (copy files to other share/attached storage)
Telnet, SSH, AFP, WebDAV, Bonjour, TFTP	Scheduling backup
<b>Client Operating Systems Support</b>	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*)
<b>Authentication</b>	Support Apple Time Machine
Local user account/group	<b>Plug-in management</b>
Microsoft NT Domain Controller (PDC)	Anti-Virus
	Central management
	iTunes Server
	Virtualization (VM on NAS)

\* By OEM request

Specification are subject to change without notice. All company and product names are trademarks of their respective owners.



UNIFOSA CORP.

Tel:886-2-2914-8001(Rep.) Fax:886-2-2914-7975

http://www.proware.com.tw E-mail:info@proware.com.tw

**Your Storage Solutions Partner**