

# EPICa

## EN-2126 12G SAS NAS EN-2126JSCB-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-2126 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-2126 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-2126 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

## EN-2126JSCB-SQX

### NAS Hardware Specification

Intel Quad Core Xeon 3.3G processor	Support 1GB DDRIII cache memory
Cache memory : 8GB DDR4 ECC SDRAM up to 64GB	Support drive hot spare and automatic hot rebuild
Two 1Gb Ethernet ports (RJ-45), Optional 10Gb Ethernet	Allow online capacity expansion within the enclosure
Up to Twelve 2.5"/3.5" hot-swappable 12Gb/s SAS, 6Gb/s SATA hard drives	Locally audible event notification alarm
Connect up to 128 3Gb/s, 6Gb/s, or 12Gb/s SATA and SAS devices	<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 PCIE/PCI slot for H/W upgrade	88(H) x 482(W) x 620(D)mm
<b>RAID Controller Specifications</b>	<b>Power requirements</b>
1.2GHz dual core RAID on Chip (ROC) storage processor	AC 100V ~ 240V Full range
Support RAID level: RAID 0, 1, 5, 6, 10, 50 and 60	10A ~ 5A, 47~63Hz

### NAS Functionality

#### Storage Management

Volume management (Support Btrfs, 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
	Recycle bin (Samba)
	File access log, audit (Samba)
	Write Once Read Many (WORM)

#### General

Independent file server	<b>Block Storage</b>
Multiple language support	iSCSI Target Support
Support UPS	Fiber Target Support (optional)
Support LV encryption	Thin Provisioning support

#### System Management

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

#### Protocols

Unicode support	<b>Attached Storage</b>
Multi-node management GUI	ISO Mount
System configuration backup/restore	USB/eSATA*/iSCSI initiator

#### Client Operating Systems Support

Central management	<b>Data Backup / Restore</b>
Quick wizard	Volume Clone (EXT3/EXT4/XFS/NTFS/VMFS/ZFS/Btrfs)
	Symantec BackupExec Agent (by additional installation)
	Scheduling multi-snapshot (Support iSCSI & FC snapshot)

#### Networking

Support NIC/Trunking/Load Balance/Fail Over/802.3ad	Replication (Remote realtime data mirroring)
DHCP Server/DHCP Client	proNAS High-Availability (Two(2) nodes HA)(optional)
WINS Server	Scheduling Rsync Replication

#### Authentication

Internet gateway	Support NetVault backup client (by additional installation)
DDNS	Support CA ARCserve (by additional installation)
	Data copy (copy files to other share/attached storage)

#### Client Operating Systems Support

TCP/IP, SMB/CIFS, NFS, SNMP, FTP/SFTP/FTP, HTTP, HTTPS, Telnet, SSH, AFP, WebDAV, Bonjour, TFTP	Scheduling backup
	Differential/incremental backup
	iSCSI/FC Replication

#### Client Operating Systems Support

Microsoft® Windows® 98/ME/NT/2000/XP/2003/Vista/2008/Win7/Windows 2012/Win 8/Win 10/2016	Amazon S3 backup
Unix/Linux	backup/restore from attached storage
Mac OS	(USB/eSATA*/iSCSI/RDX*/USM*)

#### Client Operating Systems Support

Mac OS	Support Apple Time Machine
	<b>Plug-in management</b>
	Anti-Virus

#### Authentication

Local user account/group	Central management
Microsoft NT Domain Controller (PDC)	iTunes Server
Microsoft Active Directory Authentication (ADS)	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.



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