EPICa

EN-4246 12G SAS NAS
EN-4246JSCB-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-4246 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-4246 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-4246 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-4246JSCB-RQX 10GbE

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 24x 2.5" or 3.5" hot-swappable 12Gb/s SAS, 6Gb/s SATA hard drives	Local audible event notification alarm
	Environmental
Connect up to 128 3Gb/s, 6Gb/s, or 12Gb/s SATA and SAS devices	Operating temp : 10°C~40°C(50°F~104°F)
Real-time drive activity and status indicators	Relative humidity : 10%~85% Non-condensing
Environmental monitoring unit	**Physical Dimension**
Two(2) 800W 80plus hot- swappable power supplies with PFC	174.3(H) x 483(W) x 680(D) mm
Spare PCI-E slot for H/W upgrade	**Power requirements**
RAID Controller	AC 100V ~ 240V Full range
1.2GHz dual core RAID on Chip (ROC) storage processor	10A ~ 8A, 50/60Hz

NAS Functionality

Storage Management	Network Information Service (NIS)
Volume management (Support Btrfs, ZFS, XFS, EXT3 and EXT4 file system)	Support OpenLDAP service
	Support creating users by batch
Support SSD Caching, Compression and Deduplication (Support on ZFS file system)	User quota management
	Share level security
Disk usage statistics	File level security
Hot spare drives	User ID security for NFS
iSCSI Target manager: Support LUN Mapping/Initiator Filter/Thin Provisioning	Recycle bin (Samba)
	File access log, audit (Samba)
FC Target manager: Support LUN Mapping/Thin Provisioning	Write Once Read Many (WORM)
VAAI support for iSCSI/FC/NFS	**Block Storage**
General	iSCSI Target Support
Independent file server	Fiber Target Support (optional)
Multiple language support	Thin Provisioning support
Support UPS	VMware VAAI support
Support LV encryption	**Virtualization**
System Management	VMware/Citrix/Hyper-V
Automatic IP address configuration	VMware VAAI for NFS support
Web browser-based management	**Attached Storage**
SNMP management and notification	ISO Mount
Fail-free online firmware upgrade	USB/eSATA*/iSCSI initiator
Unicode support	**Data Backup / Restore**
Multi-node management GUI	Volume Clone (EXT3/EXT4/XFS/NTFS/VMFS/ZFS/Btrfs)
System configuration backup/restore	Symantec BackupExec Agent (by additional installation)
Central management	Scheduling multi-snapshot (Support iSCSI & FC snapshot)
Quick wizard	Replication (Remote realtime data mirroring)
Networking	proNAS High-Availability (Two(2) nodes HA)(optional)
Support NIC/Trunking/Load Balance/Fail Over/802.3ad	Scheduling Rsync Replication
DHCP Server/DHCP Client	Support NetVault backup client (by additional installation)
WINS Server	Support CA ARCserve (by additional installation)
Internet gateway	Data copy (copy files to other share/attached storage)
DDNS	Scheduling backup
Protocols	Differential/incremental backup
TCP/IP, SMB/CIFS, NFS, SNMP, FTP/SFTP/FXP, HTTP, HTTPS, Telnet, SSH, AFP, WebDAV, Bonjour, TFTP	iSCSI/FC Replication
	Amazon S3 backup
Client Operating Systems Support	backup/restore from attached storage
Microsoft® Windows® 98/ME/NT/2000/XP/2003/Vista/2008 /Win7/	(USB/eSATA*/iSCSI/RDX*/USM*)
Windows 2012/Win 8/Win 10/2016	Support Apple Time Machine
Unix/Linux	**Plug-in management**
Mac OS	Anti-Virus
Authentication	Central management
Local user account/group	iTunes Server
Microsoft NT Domain Controller (PDC)	Virtualization (VM on NAS)
Microsoft Active Directory Authentication (ADS)	

* By OEM request

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