

EPICa

EN-4246 12G SAS NAS EN-4246JSCB-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-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-SQX

NAS Hardware Specification

| | |
|---|---|
| Intel Quad Core Xeon 3.3G processor | Supports 1GB DDRIII cache memory |
| Cache memory : 8GB DDR4 ECC SDRAM up to 64GB | Supports hot spare and automatic hot rebuild |
| Two 1Gb Ethernet ports (RJ-45), Optional 10Gb Ethernet | 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 |
| 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) 800W 80plus hot- swappable power supplies with PFC | Physical Dimension |
| Spare PCIe/PCI slot for H/W upgrade | 174.3(H) x 483(W) x 680(D) mm |
| RAID Controller | Power requirements |
| 1.2GHz dual core RAID on Chip (ROC) storage processor | AC 100V ~ 240V Full range |
| Supports RAID level: RAID 0, 1, 5, 6, 10, 50 and 60 | 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 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 |
| * By OEM request | 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