

EPICa

DN-500A6B-CM

Desktop 6Gb SATA NAS Subsystem



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 DN-500 6G SATA 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, 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, DN-500 supports RAID level 0, 1, 5, 6, 10 and Linear(JBOD) mode, and drives can be set hot spares, have automatically hot rebuilding and online capacity expansion within the enclosure. DN-500 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
- iSCSI/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 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
- Thin Provisioning
- Volume Clone (EXT3/EXT4/XFS/NTFS/VMFS/ZFS/Btrfs)
- Volume replication to enhance data protection
- VMware ESXi 5 iSCSI/NFS VAAI support
- Wizard-oriented GUI design
- WORM (Write Once Read Many) support CIFS/NFS

Series Technical Specifications

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NAS Hardware Specification

Intel Celeron 2.8GHz or above	Support drive hot spare and automatic hot rebuild
Optional: Intel Pentium, Core i3 / i5 / i7	Locally audible event notification alarm
Cache memory : 8GB DDR4 SDRAM up to 32GB	Power requirements
Four USB3.0 and two USB2.0 ports	AC 100V ~ 240V Full range
Two Gigabit Ethernet ports	4.5A~2.5A, 50~60Hz
Support RAID level: RAID 0, 1, 5, 6, 10 and Linear(JBOD)	Environmental
Up to Five(5) 2.5"/3.5" hot-swappable 6Gb/s SATA3 hard drives	Relative humidity : 10%~85% Non-condensing
Real-time drive activity and status indicators	Operating temp : 10°C~40°C(50°F~104°F)
Environmental monitoring unit	Physical Dimension: 261(H) x 180(W) x 390(D)mm
300W power supply with PFC (80 plus)	Weight: 9.1kg (without drives)

NAS Functionality

Storage Management

Volume management (Support Btrfs, ZFS, XFS, EXT3 and EXT4 file system)	Microsoft Active Directory Authentication (ADS)
Support Compression and Deduplication (Support on ZFS file system)	Network Information Service (NIS)
Disk usage statistics	Support OpenLDAP service
Hot spare drives	Support creating users by batch
iSCSI Target manager: Support LUN Mapping/Initiator Filter/Thin Provisioning	User quota management
VAAI support for iSCSI/NFS	Share level security

General

Independent file server	File level security
Multiple language support	User ID security for NFS
Support UPS	Recycle bin (Samba)
Support LV encryption	File access log, audit (Samba)

System Management

Automatic IP address configuration	Write Once Read Many (WORM)
Web browser-based management	Block Storage
SNMP management and notification	iSCSI Target Support
Fail-free online firmware upgrade	Thin Provisioning support
Unicode support	VMware VAAI support

Networking

Support NIC/Trunking/Load Balance/Fail Over/802.3ad	Virtualization
DHCP Server/DHCP Client	VMware/Citrix/Hyper-V
WINS Server	VMware VAAI for NFS support
Internet gateway	Attached Storage
DDNS	ISO Mount

Protocols

TCP/IP, SMB/CIFS, NFS, SNMP, FTP/SFTP/XP, HTTP, HTTPS, Telnet, SSH, AFP, WebDAV, Bonjour, TFTP	USB/eSATA/iSCSI initiator
Client Operating Systems Support	Data Backup / Restore
Microsoft® Windows® 98/ME/NT/2000/XP/2003/Vista/2008/Win7/Windows 2012/Win 8/Win 10/2016	Volume Clone (EXT3/EXT4/XFS/NTFS/VMFS/ZFS/Btrfs)
Unix/Linux	Symantec BackupExec Agent (by additional installation)
Mac OS	Scheduling multi-snapshot (Support iSCSI snapshot)

Authentication

Local user account/group	Replication (Remote realtime data mirroring)
Microsoft NT Domain Controller (PDC)	Scheduling Rsync Replication
	Support NetVault backup client (by additional installation)
	Support CA ARCserve (by additional installation)

Plug-in management

	Data copy (copy files to other share/attached storage)
	Scheduling backup
	Differential/incremental backup
	iSCSI Replication
	Amazon S3 backup

Client Operating Systems Support

Microsoft® Windows® 98/ME/NT/2000/XP/2003/Vista/2008/Win7/Windows 2012/Win 8/Win 10/2016	backup/restore from attached storage (USB/eSATA/iSCSI/RDX*/USM*)
Unix/Linux	Support Apple Time Machine
Mac OS	Plug-in management
	Anti-Virus

Authentication

Local user account/group	Central management
Microsoft NT Domain Controller (PDC)	iTunes Server

* By OEM request.

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