D-Link®
Building Networks for People

Product Highlights

Create a Personal Cloud

Use the mydlink Cloud mobile app to set up and monitor a personal cloud that allows remote users to access files from any device

Add Storage Drives with Ease

Just slide open the front and insert up to four storage drives quickly and easily to gain access to all of your essential data in one place

Stream, Store, and Back Up

Watch HD entertainment on your computers and devices, effortlessly manage your files, and automatically back up your data

dlna® CERTIFIED

DNS-345

ShareCenter™ + 4-Bay Network Storage Enclosure

Features

Storage
- Four easy-to-load hard drive bays accept 3.5" SATA internal drives
- USB 2.0 port to connect additional external storage or a printer

Performance
- Two Ethernet ports provide better performance through link aggregation
- iSCSI

Cloud-Enabled
- mydlink Cloud-enabled
- Remotely share your music and photos

Media Streaming
- DLNA Certified media server
- Photo Center software
- iTunes media server
- Peer-to-peer download engine
- Surveillance Center (add-on package)

Backup Options
- Included backup software makes protecting your data easier than ever
- Supports local, remote, USB, and cloud backup
- Supports Apple Time Machine
- Supports RAID 1, RAID 5, RAID 5+spare, and RAID 10 technology to help protect your data

The DNS-345 ShareCenter™ + 4-Bay Network Storage Enclosure is an easy-to-use solution for accessing, sharing, and backing up your important data by creating your own personal cloud. Keep all of your data safely stored and protected at home, and still have it at your fingertips with a powerful NAS solution.

Share Your Files From Anywhere

The ShareCenter™ + 4-Bay Network Storage Enclosure includes a web file server which allows you to download your documents, photos, and other multimedia files from wherever you are. Once configured, simply log into your ShareCenter using the friendly web user interface to view a list of available files. You can also connect with a mydlink Cloud mobile app to access and play music, watch videos, and view photos directly on your mobile device.

Stream Digital Media With a Built-in Media Server

Back up your digital media files to the ShareCenter for safekeeping, and enjoy the benefits of the built-in DLNA® Certified UPnP AV media server. Stream digital content to compatible media players such as the PlayStation® 3, Microsoft® Xbox 360™, or directly to a smart TV. You can also enjoy photos, music, and video streaming remotely through mobile devices.

iSCSI for IP Networks

iSCSI offers exceptionally fast access performance thanks to block-level data transfer. iSCSI targets appear as a local drive on a client PC. Operations such as configuration, provisioning, and backup can be handled by the administrator in the same way they would be for directly attached storage. By utilizing existing Ethernet technology, the cost associated with separate host bus adapters and the per-Gigabyte cost for storage can be significantly reduced.

Powerful Performance and Flexibility

A variety of hard drive modes (Standard, JBOD, RAID 0, RAID 1, RAID 5, RAID 5+spare, and RAID 10) are available for the configuration that best suits your needs. Standard mode creates four separately accessible hard drives. JBOD combines drives to create a single, easy-to-use volume. RAID 0 combines drives in a "striped" configuration, which provides maximum performance when using a Gigabit Ethernet connection. RAID 1 creates a copy of the data on your drives, providing maximum protection; if one drive fails, the unaffected drives continue to function as a single drive until the failed drive is replaced. Your data will automatically be copied to the new drive. RAID 5 uses an advanced algorithm to distribute data over multiple drives, and in the event of a drive failure, the remaining drives can reconstruct and restore the data from the failed drive. RAID 10 combines RAID 0 and RAID 1 into one single system. It provides security by mirroring all the data on a secondary set of disks while using striping across each set of disks to speed up data transfers.

Do More With Powerful Add-ons

Extend the functionality of your NAS by installing a wide variety of versatile add-on applications. With P2P applications, users have the ability to access a limitless collection of free content over the Internet. Users can use the SqueezeCenter and Audio Streamer applications to stream music collections from the NAS over the Internet. Photo Center, My Photos, and Blog add-ons let users showcase photos and blog posts over the Internet, while mydlink Cloud gives users a great way to share music and photos on a network. Look for more exciting add-ons in the future.
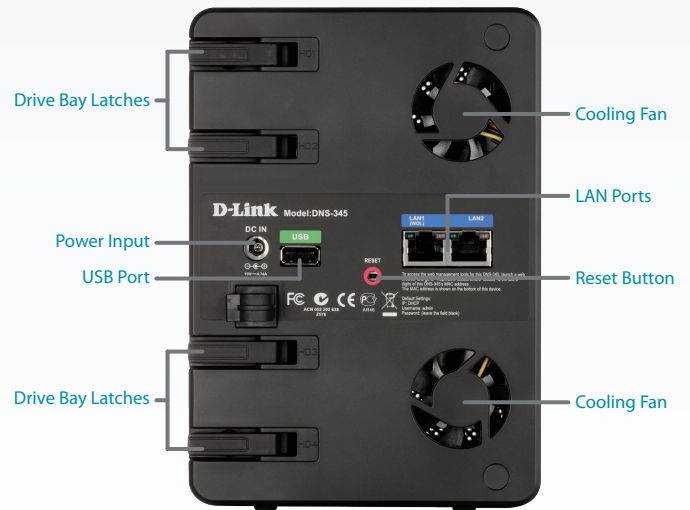
Versatile Surveillance

You can use your DNS-345 as a surveillance station for your D-Link Cloud Cameras, with up to 4 channels for live camera viewing, recording, and synchronized playback. It can record based on a schedule you define, and can even recycle recordings automatically for easy, continuous operation.

Easy Installation and Setup

The DNS-345 can hold up to four 3.5" internal SATA hard drives, and installing drives is as simple as pushing up the front plate and the sliding them in. A convenient USB port on the back of the ShareCenter can be used to attach a multifunction USB printer to share printing capabilities, or an Uninterruptible Power Supply (UPS) for extra reliability. You can also attach an external USB storage drive and use the one-touch backup function.

D-Link Green™

For consumers interested in reducing their energy costs and helping to save the environment, D-Link Green™ products provide eco-friendly alternatives without compromising performance. This device uses hard drive power management and Smart Fan speed control to reduce energy costs, minimize noise, and prolong the lifespan of your hard drives.

Drive Bay Latches — Cooling Fan — LAN Ports — Power Input — USB Port — DC IN — USB — Reset Button — Drive Bay Latches — Cooling Fan

Technical Specifications

General

Standards		
	• IEEE 802.3 • IEEE 802.3ab • IEEE 802.3u • TCP/IP • IPv6 • CIFS/SMB • NFS • AFP • DHCP Client • DDNS • iSCSI	• NTP • FTP over SSL/TLS, FXP • HTTP/HTTPS • LLTD • PnP-X • UPnP AV • USB 2.0 • Bonjour • WebDAV • DFS

Supported Hard Drive Types		
	• 3.5" Internal SATA I/II	

Ports		
	• Two 10/100/1000 Gigabit Ethernet ports • USB 2.0 Host port	• Power

LEDs		
	• LAN (on LAN ports)	

Display		
	• 128 x 32 OLED Display Screen	

Functionality		

Disk Management	• Multiple hard drive configurations:
	  • Standard
	  • RAID 0
	  • RAID 1
	  • RAID 5
	  • RAID 5+spare
	  • RAID 10
	  • JBOD
		• RAID migration (Non-RAID to RAID 1/5, RAID 1 to 5)
		• Hard drive format: EXT4
		• Scandisk
		• S.M.A.R.T.
		• Supports Advanced Format HDDs
		• Disk roaming
		• RAID roaming
		• AES-based volume encryption

Download Management	• HTTP/FTP scheduled downloads	• Peer to peer (P2P) downloader (aMule, torrent)
Account Management	• User account management • Group account management • User/Group quota management	• Network access management • ISO creator/mount management • Windows Active Directory Service
Backup Management	• Scheduled backup from PC to NAS (D-Link ShareCenter Sync) • Scheduled local backups • Scheduled remote backups	• Apple Time Machine support • USB backup • Cloud backups (Amazon S3) • USB copy button
Surveillance Management	• Supports D-Link Cloud Cameras • Up to 4 channels of Motion JPEG, MPEG4, or H.264 recording • Up to 4 channels of live video • Up to 4 channels of synchronous playback	• Synchronized audio and video recording • Auto recycling of recordings • Supports scheduled and manual recordings • Supports E-maps • Backup of recorded video

Device Management	• Browser support:
	  • Internet Explorer 7 or higher
	  • Mozilla Firefox 3 or higher
	  • Apple Safari 4 or higher
	• System Setup Wizard (Win / Mac)
	• D-Link Storage Utility (Win / Mac)
	• E-mail notifications
		• SMS notifications
		• System/FTP log
		• Yahoo! Widget
		• SNMPv2
		• Resource monitor
		• Add-on packages (interface)
		• Print server functionality

Power Management	• Power-saving mode • Auto power recovery • Scheduled power off	• Smart Fan control • D-Link Green Ethernet • Supports connection to a UPS (through USB)
Remote File Sharing	• Web file server • FTP server • WebDAV	• Mobile device access • mydlink Cloud
File Sharing	• Max. User accounts: 256 users • Max. Group accounts: 32 groups • Max. shared folders: 128 folders	• Max. concurrent Samba connections: 64 connections • Max. concurrent FTP connections: 10 connections
Multimedia Support	• UPnP AV Server (DLNA) • iTunes Server • My Photos • Audio Streamer (add-on)	• Squeeze Center (add-on) • Photo Center (add-on) • Blog (add-on) • mydlink Cloud (add-on for music and photos)
IP SAN (iSCSI)	• iSCSI target (Up to 64 targets) • One LUN per target • CHAP authentication • iSNS (Internet Storage Name Service) • MPIO and MC/S	• Thin provisioning • SPC-3 persistent reservation • Virtual volume (via iSCSI initiator) • Up to 8 virtual volumes

DNS-345 ShareCenter™ + 4-Bay Network Storage Enclosure

Physical		
Dimensions	• 128 x 200 x 178 mm (5 x 7.9 x 7 inches)	
Weight	• 2.7 kilograms (5.95 lbs)	
Power	• External DC 19 V / 4.74 A switching power supply	
Temperature	• Operating: 0 to 40 ˚C (32 to 104 ˚F)	• Storage: -20 to 70 ˚C (-4 to 158 ˚F)
Humidity	• 5% to 90% non-condensing	
Certifications	• CE • FCC	• IC • DLNA

Order Information	
Part Number	*Description*
DNS-345	ShareCenter™ + 4-Bay Network Storage Enclosure

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