# 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 to insert up to four storage drives quickly and easily to gain access to all of your esssential 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 most important data

## 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 provides better performance through link aggregation

**Cloud Enabled**

- mydlink Cloud-enabled to let you access, download, upload, or delete files and folders from anywhere using a mobile device
- Remotely share your music and photos

**Media Streaming**

- DLNA Certified media server
- Photo Center software
- iTunes media server
- Peer to peer download engine

**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.

## 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.

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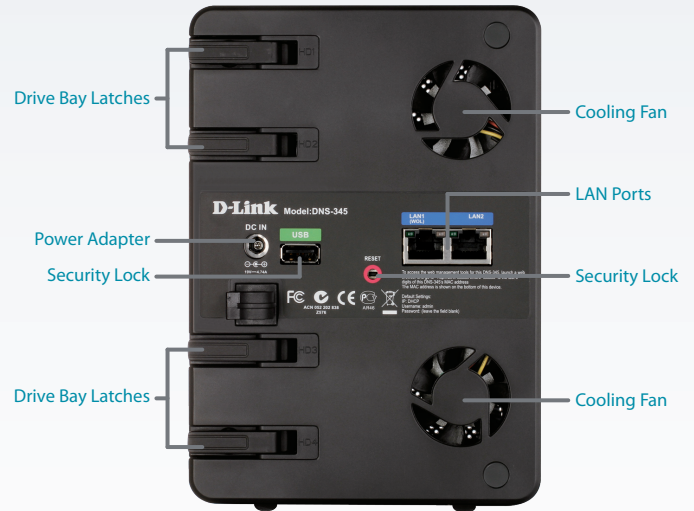
## Easy Installation and Setup

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 print capabilities, or an Uninterruptible Power Supply (UPS) for monitoring. 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.

## Powerful Perfomance and Flexibility

A variety of hard drive modes (Standard, JBOD, RAID 0, RAID 1, RAID5, 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.

Drive Bay Latches
Cooling Fan
Power Adapter
LAN Ports
Security Lock
Security Lock
Drive Bay Latches
Cooling Fan

## Technical Specifications

### General

| Standards | • IEEE 802.3<br>• IEEE 802.3ab<br>• IEEE 802.3u<br>• TCP/IP<br>• IPv6<br>• CIFS/SMB<br>• NFS<br>• AFP<br>• DHCP Client<br>• DDNS | • NTP<br>• FTP over SSL/TLS, FXP<br>• HTTP/HTTPS<br>• LLTD<br>• PnP-X<br>• UPnP AV<br>• USB 2.0<br>• Bonjour<br>• WebDAV<br>• DFS |
|---|---|---|
| Supported Hard Drive Types | • 3.5" Internal SATA I/II | |
| Ports | • Two 10/100/1000 Gigabit Ethernet ports<br>• 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:<br>  • Standard<br>  • RAID 0<br>  • RAID 1<br>  • RAID 5<br>  • RAID 5+spare<br>  • RAID 10<br>  • JBOD | • RAID migration (Non-RAID to RAID 1/5, RAID 1 to 5)<br>• Hard drive format: EXT4<br>• Scandisk<br>• S.M.A.R.T.<br>• Supports Advanced Format HDDs<br>• Disk roaming<br>• RAID roaming<br>• AES-based volume encryption |
|---|---|---|
| Download Management | • HTTP/FTP scheduled downloads | • Peer to peer (P2P) downloader (aMule, torrent) |

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

| | | |
|---|---|---|
| Account Management | • User account management<br>• Group account management<br>• User/Group quota management | • Network access management<br>• ISO creator/mount management<br>• Windows Active Directory Service |
| Backup Management | • Scheduled backup from PC to NAS<br>  (D-Link ShareCenter Sync)<br>• Scheduled local backups<br>• Scheduled remote backups | • Apple Time Machine support<br>• USB backup<br>• Cloud backups (Amazon S3)<br>• USB copy button |
| Device Management | • Browser support:<br>  • Internet Explorer 7 or higher<br>  • Mozilla Firefox 3 or higher<br>  • Apple Safari 4 or higher<br>• System Setup Wizard (Win / Mac)<br>• D-Link Storage Utility (Win / Mac)<br>• E-mail notifications | • SMS notifications<br>• System/FTP log<br>• Yahoo! Widget<br>• SNMPv2<br>• Resource monitor<br>• Add-on packages (interface)<br>• Print server functionality |
| Power Management | • Power-saving mode<br>• Auto power recovery<br>• Scheduled power off | • Smart Fan control<br>• D-Link Green Ethernet<br>• Supports connection to a UPS (through USB) |
| Remote File Sharing | • My Files<br>• FTP server<br>• WebDAV | • Mobile device access<br>• mydlink Cloud |
| File Sharing | • Max. User accounts: 256 users<br>• Max. Group accounts: 32 groups<br>• Max. shared folders: 128 folders | • Max. concurrent Samba connections: 64 connections<br>• Max. concurrent FTP connections: 10 connections |
| Multimedia Support | • UPnP AV Server (DLNA)<br>• iTunes Server<br>• My Photos<br>• Audio Streamer (add-on) | • Squeeze Center (add-on)<br>• Photo Center (add-on)<br>• Blog (add-on)<br>• mydlink Cloud  (add-on for music and photos) |

## Physical

| | | |
|---|---|---|
| Dimensions | • 128 x 200 x 178 mm (5 x 7.9 x 7 inches) | |
| Weight | • 2.7 kg (5.95 pounds) | |
| 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<br>• FCC | • IC<br>• DLNA |

## Order Information

| Part Number | Description |
|---|---|
| DNS-345 | ShareCenter™ + 4-Bay Network Storage Enclosure |

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