2-BAY SATA NETWORK STORAGE ENCLOSURE

ADD SATA DRIVES WITH EASE [1]
Insert up to two internal 3.5-inch SATA hard drives without using any tools or attaching any cables

BACK UP AND PROTECT FILES
Protect important files by making regular backups to mirrored hard drives using RAID 1 technology [1]

BUILT-IN FTP SERVER [2]
Access stored files over the Internet

SAFELY SHARE DIGITAL FILES LOCALLY AND OVER THE INTERNET

The DNS-323 2-Bay SATA Network Storage Enclosure, when used with internal SATA drives, enables users to share documents, files, and digital media such as music, photos, and video with everyone on the home or office network. Remotely accessing files through the Internet is also possible with the built-in FTP server. [2] Whether allowing access locally or over the Internet, keep data safe by only giving rights to specific users or groups. When configuring the DNS-323, homes and offices can create users and groups and assign them to folders with either read or read/write permissions. This is ideal for an office environment with employee-specific sensitive data or for the home where children can be ensured to have access only to age-appropriate materials.

STREAM DIGITAL MEDIA CONTENT TO UPnP AV COMPATIBLE MEDIA PLAYERS

Back up music, photo, and video collections to the DNS-323 for safekeeping. Then, enjoy the benefits of the built-in UPnP AV media server to stream digital content to compatible media players (such as those found in D-Link's MediaLounge product line). This feature is highly convenient as it allows users to turn off a computer that would normally be needed for the same function.

PROTECTION, PERFORMANCE, AND FLEXIBILITY

The availability of four different hard drive modes (Standard, JBOD, RAID 0, RAID 1) allows users to choose the configuration best suited to their needs. Standard mode creates two separately accessible hard drives. JBOD combines both drives in linear fashion for maximum space efficiency. RAID 0 combines both drives in a "striped" configuration, which provides the highest performance, enabling speeds up to 23Mbps-read and 15Mbps-write (184Mbps-read and 120Mbps-write) when using a Gigabit Ethernet connection. [3] RAID 1 causes the drives to mirror each other, providing maximum protection. If one drive fails while configured as RAID 1, the unaffected drive continues to function as a single drive until the failed drive is replaced. The new drive will then be remirrored, allowing the DNS-323 to return to its full protection.
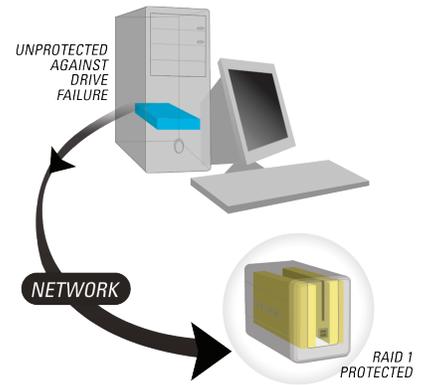
DNS-323

WHAT THIS PRODUCT DOES

The DNS-323 2-Bay SATA Network Storage Enclosure, when used with internal SATA drives, [1] enables homes and offices to share documents, music, photos, and videos across the network and on the Internet so family members, friends, or employees can access them. This enclosure also allows creation of a central network point for backing up valuable files and the built-in RAID 1 mirroring technology protects these files from drive failure. This device can be used to stream music, photos, and videos to UPnP AV compatible network media players. [4]

ROBUST SOFTWARE INCLUDED

The included CD contains D-Link's Easy Search Utility. This utility allows users to locate the DNS-323 anywhere on the network. Once located, use the utility to map the hard drive(s) so they will appear in "My Computer" on the PC. Backup software is also included on the CD. This allows the backup of valuable files from a computer to the DNS-323 manually, by a schedule, or in real-time. Real-time backups are a great way to safeguard against unfortunate accidents that may result in the loss of precious files.

YOUR NETWORK SETUP

INTERNET

REMOTE PC

CABLE/DSL MODEM

WIRED PC

WIRELESS ROUTER

WIRELESS PC

DNS-323

UPnP™ AV MEDIA PLAYER

USB PRINTER

MIRRORING HARD DRIVES WITH RAID 1 TECHNOLOGY

Backing up to a regular hard drive offers a basic level of protection. But what if that hard drive fails? Using the DNS-323 with two internal SATA drives and RAID 1 technology, users can mirror between the two drives (i.e. duplicate data on both drives), ensuring maximum protection of valuable data. If one drive fails, the other continues to function as a single drive until the failed drive is replaced.

UNPROTECTED AGAINST DRIVE FAILURE

NETWORK

RAID 1 PROTECTED

TECHNICAL SPECIFICATIONS

STANDARDS
+ IEEE 802.3
+ IEEE 802.3u
+ IEEE 802.3ab

SUPPORTED HARD DRIVE TYPE
+ Up to 2 SATA-standard drives of any capacity size
+ 3.5-inch internal

PORTS
+ 10/100/1000 Gigabit Ethernet Port
+ USB Print Server Port
+ Power

DRIVE MANAGEMENT
+ Four different hard drive configurations
+ Scandisk
+ E-mail alerts
+ Defrag
+ Power management

DEVICE MANAGEMENT
+ Internet Explorer v6 or other Java-enabled browser

MINIMUM SYSTEM REQUIREMENTS
+ Computer with:
  - 1GHz processor/512MB RAM/200MB of available space
  - Windows XP SP2 or Windows 2000 SP4
  - CD-ROM Drive to view Product Documentation and Install Software

LED
+ Power
+ HDD 1
+ LAN
+ HDD 2

OPERATING TEMPERATURE
+ Operating: 0˚ to 55˚ C (32˚ to 131˚ F)
+ Storage: -20˚ to 70˚ C (-4˚ to 158˚ F)

HUMIDITY
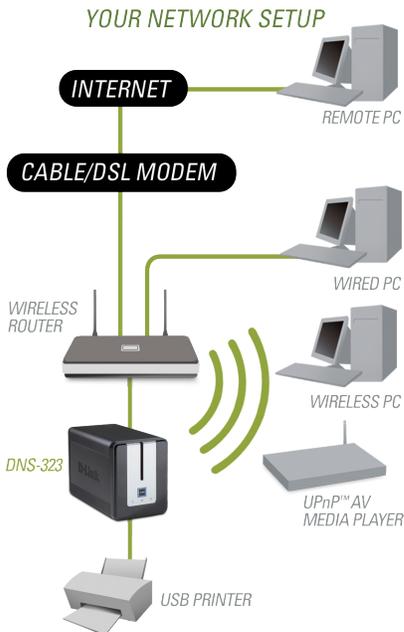+ Operating: 5% to 90% (non-condensing)

DIMENSIONS
+ 104 (W) x 198 (D) x 132 (H) mm (4.1 x 7.8 x 5.2 inches)

WEIGHT
+ 1.225 kg (2.7 lbs)

PACKAGE CONTENTS
+ 2-Bay Network Storage Enclosure
+ Power Adapter
+ Ethernet Cable
+ Power Cable Clip
+ Installation Guide
+ CD-ROM with:
  - Software
  - Product Documentation

[1] Hard drive(s) not included. An internal SATA drive is required to store or share files. RAID 1 mirroring requires the use of two (2) internal sata drives. To avoid data incompatibility in RAID 1 operation, use SATA drives from the same manufacturer. Formatted drive capacity for RAID 1 operation is dependant on the drive capacity of the lowest-sized drive. May not work with older generation SATA drives. For a list of SATA drives that have been tested to work with the DNS-323, visit D-Link support web sites.

[2] Note that use of an FTP Server to access files over the Internet does not provide for secure or encrypted transmissions. It is recommended that the enduser utilize a Virtual Private Network (VPN) to establish a secure FTP session.

[3] Speed results will vary depending on the benchmark utility, hard drive configuration, and the network environment used for testing.

[4] D-Link cannot guarantee full compatibility or proper playback with all codecs. Playback capability depends on the codec support of the UPnP AV media player.

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STORAGE