Disk Station DS409slim

Green, Quiet, and Reliable 4-bay 2.5" HDD NAS Server for Home to Small Office

Synology®

Key Features

- Basic, JBOD, RAID 0/1/5/6, RAID 5+Spare Support
- Cool and Quiet
- Power-Saving (12W~19W)

Shipped with Disk Station Manager 2.1 that provides:

- AJAX-Based Management Interface
- BT/FTP/HTTP/eMule/NZB Download without PC
- Music Sharing to other iTunes clients over the network
- Music, Internet Radio, and iPod playback to USB Speakers
- Internet Photo+Video+Blog Sharing
- Sony PS3 and Microsoft Xbox360 Supported

And more...

Synology Disk Station DS409slim is designed to provide users with a budget-friendly solution for easy file sharing and backup. The snap-in 2.5" hard drive design brings low power consumption, quiet operation, reliability and easy disk replacement in a compact design. Its sophisticated software, Synology Disk Station Manager 2.1, delivers ease of use and variety of features.

Green, Quiet, and Reliable

The DS409slim is designed to work with 2.5" hard drives. The low power consumption characteristic of 2.5" hard drives will lower your electricity bill, as well as reduce your carbon footprint.

The smart fan design keeps the DS409slim's fan off under normal operations and spinning up at a very low speed only when needed, thus minimizing the noise level.

In addition, 2.5" hard drives have reduced vibration, increased MTBF (mean time before failure), and shock tolerance. It not only extends hard drive's lifespan, but also provides better reliability.

Multimedia & Entertainment

Synology Download Station 2 functions as a 24x7 BitTorrent, FTP, HTTP, eMule, and NZB download center. The newly-integrated eMule download engine allows search-n-download capability with a web-browser without installing additional desktop applications.

Synology Audio Station supports music, Internet radio stations, and iPod playback with connected USB speakers. An optional direction-free Synology Remote allows you to freely enjoy your music. Web-streaming mode allows your music to be shared with multiple users over the Internet.

UPnP support allows users to stream multimedia files with an UPnP Digital Media Adapter (DMA) on a stereo system or a TV-set. Sony PS3 and Microsoft Xbox360 are also supported.

iTunes Server is an easy way to share music to other iTunes clients over the network. Password protection prevents unauthorized sharing.

Easy Storage & Backup

USBCopy provides a plug-n-save solution to store data. With just one touch on the Copy button, it quickly backs up the data on an USB storage device to the pre-defined location on the DS409slim.

Synology Data Replicator 3 allows Windows users to back up desktop data to the DS409slim. Users can select immediate, sync, or scheduled backup according to their needs.

The Network Recycle Bin ensures all deleted files are recoverable from the recycle bin.

Internet Sharing

Synology Photo Station 3 simplifies photo, video, and blog sharing over the Internet. Customized themes and various selections are available for personalization. The Cooliris support delivers a dazzling 3D photo browsing effect.
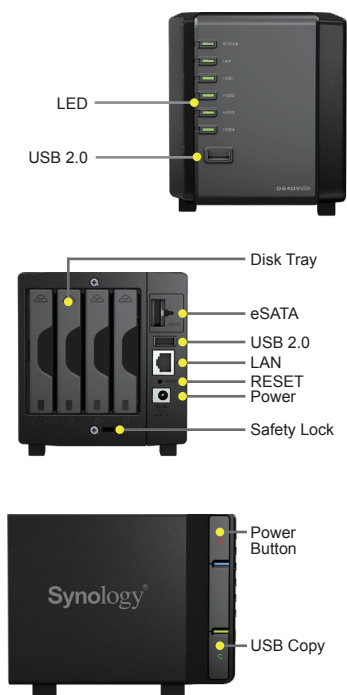
Eco Friendly

Synology Disk Station is designed and developed perpetually with the concept of energy saving. Compared with average PC counterparts, Synology Disk Station consumes a relatively low amount of power and hibernates when not in use. This not only helps to save energy but also extends the lifespan of the hard disk.

Synology Disk Station truly earns the title of "green product" because of the unique Scheduled Power On/Off feature.

Finally, all Synology products are produced with RoHS compliant parts and packed with recyclable packing materials. Synology recognizes its responsibility as a global citizen and is continually working to reduce the environmental impact of the products we create.

CONNECTIONS & BUTTONS

LED
USB 2.0

Disk Tray
eSATA
USB 2.0
LAN
RESET
Power
Safety Lock

Power Button
USB Copy

Technical Specifications

Hardware
- CPU: 1.2GHz, 16bit@DDR800
- RAM Size: 128MB
- Internal HDD [1]: 4X 2.5" SATA/SSD
- External HDD Interface: 2X USB ports, 1X eSATA port
- Size: 120mm X 105mm X 142mm
- Weight: 0.66kg
- LAN: 1X Gigabit
- Fan: 1X (60mm X 60mm)
- Noise Level [2]: 24dB(A)
- Power Recovery
- AC Input Power Voltage: 100V to 240V
- Power Frequency: 50Hz to 60Hz, Single Phase
- Max HDD Support (Internal HDD): 500GB
- Max Supported IP Camera: 5
- Operating Temperature: 5°C to 35°C (40°F to 95°F)
- Storage Temperature: -10°C to 70°C (15°F to 155°F)
- Relative Humidity: 5% to 95% RH
- Max Operating Altitude: 10,000 feet

Power Consumption[3]
- 19W (Access); 12W (Hibernation)

Certification
- FCC Class B, CE Class B, BSMI Class B

Networking Protocols
- CIFS, AFP (3.1), FTP, NFS, Telnet/SSH

Windows ADS Integration
- Supports up to Windows Server 2008
- Domain users login via Samba/AFP/FTP
- Synology Data Replicator 3 for Domain Users

Security
- FTP over SSL/TLS (explicit)
- FTP Auto-Block
- Encrypted Network Backup
- Encrypted rsync
- HTTPS Connection

File System
- EXT3
- FAT (External Disk Only)
- NTFS (External Disk Read Only)

File Sharing
- Max User Account: 1,024
- Max Group: 128
- Max Shared Folder: 256
- Max Concurrent Connections (SAMBA, FTP, AFP): 64

Utilities
- Synology Assistant
- Synology Data Replicator 3
- Synology Download Redirector
- Add Printer Wizard

Applications
- Surveillance Station 2
- Photo Station 3
- File Station 2
- Audio Station
- Web Station
- PHP/MySQL
- Download Station 2
- iTunes Server

Packages
- Mail Station
- SqueezeCenter
- Webalizer

UPnP Multimedia Service Support
- Sony PS3, Microsoft Xbox360
- Audio Format: AAC, FLAC, M4A, MP3, Ogg Vorbis, WAV, WMA, WMA VBR, WMA PRO, WMA Lossless
- Video Format: ASF, AVI, DAT, DivX, MP4, MPEG1, MPEG2, MPEG4, VOB, WMV, XviD
- Image Format: BMP, JPG (jpe, jpeg), GIF, ICO, PNG, PSD, TIF (tiff), UFO
- Playlist Format: WPL, M3U
- Subtitle: srt, psb, smi, ass, ssa, sub, idx, ifo

iTunes Server Support
- Audio Format: MP3, M4A, M4P, WAV[4], AIF[4]
- Playlist Format: M3U, WPL

Audio Station Support
- USB Mode: (Audio) AAC, FLAC, M4A, MP3, Ogg Vorbis, WMA, WMA VBR (Playlist) M3U, WPL (Internet Radio) SHOUTcast, Radioio
- Streaming Mode: (Audio) MP3 (Playlist) M3U, WPL

Photo Station 3 Support
- Video Format: ASF, AVI, MPEG1, MPEG4, WMV, XviD, DivX, FLV, DAT[5], MP4[5], MPEG2[5], RM[5], RMVB[5], VOB[5]
- Image Format: BMP, JPG (jpe, jpeg), GIF

Management
- AJAX-based Management UI
- BitTorrent Port Range Setup
- BitTorrent DHT Support
- CIFS Recycle Bin
- Download Station Bandwidth control
- Download Station Port Range Setup
- Editable HTTP Error Page
- Email Alert Message
- Email Notification for New User
- Package Management
- External HDD Hibernation
- Scheduled Power On/Off
- Firmware Upgrade
- FTP passive port range
- Hide-able Shared Folder
- Internal HDD Hibernation
- Removable Default Shared Folder
- Ez-Internet
- PPPoE

- UPS Management (Over USB 2.0)
- User Quota
- Web-based Download Station

RAID Management
- Volume Type: Basic, JBOD, RAID 0, RAID 1, RAID 5, RAID 5+Spare, RAID 6
- RAID Change: Basic to RAID 1, RAID 1 to RAID 5, RAID 5 to RAID 5+Spare
- Expand with Larger Hard Drives: RAID 1, RAID 5, RAID 5+Spare, RAID 6
- Expand with More Hard Drive: RAID 5 from 3 to 4 HDDs

Backup Solutions
- Network Backup
- Local Backup
- Desktop Backup (using Synology Data Replicator 3)
- USBCopy
- 3rd-Party Backup Support

Supported Clients
- Windows 2000 onward
- Mac OS X 10.3 onward
- Linux

Printer Support[6]
- Max Printer #: 2
- Supported Protocols: LPR, CIFS, AppleTalk

Languages
- English, Danish, Dutch, Norwegian, Swedish, German, French, Italian, Polish, Russian, Spanish, Korean, Traditional Chinese, Simplified Chinese, Hungarian, Turkish, Portuguese Brazil, Portuguese European

Environment
- RoHS Compliant

Package Content
- DS409slim Main Unit
- Installation CD
- Welcome Note
- Assembling Kit
- AC Power Adaptor
- AC Power Cord
- 2M RJ-45 LAN Cable

(1) Hard drive not included.
(2) FAN only. Measured at 2300~6200RPM, varied among models. More details about dB(A) value, check http://www.quietnoise.com/facts.htm
(3) Measured with 2 Seagate 320GB ST9320325AS hard drives. The figures could vary on different environments.
(4) The music can be streamed, but the metadata (ex: title, album) may not be indexed on the iTunes.
(5) User can click and download the file, but not play it in Photo Station 3 as compressed Flash video.
(6) For Mac users, DS409slim supports PostScript USB printers only.

Networking

External Disk
USB Speakers
DS409slim
USB Printer
Synology Remote
DS409slim
Wireless Router
Digital Media Adapter
PC / Mac / Linux
IP Camera
TV
Stereo System