



Disk Station DS409

Feature-rich 4-bay SATA NAS Server for Workgroups and Offices

Synology Disk Station DS409 is designed to provide users with a flexible solution to share files and increase productivity. The included Synology Disk Station Manager 2.1, delivers an intuitive interface with a variety of features. The optional Synology 2.5" Disk Holder provides an easy way for users to deploy 2.5" hard drives on the DS409, making the DS409 a quiet, eco-friendly, and reliable NAS.

Key Features

- RAID 0/1/5/6 Support
- Cool and Quiet
- Power-Saving (10W~25W)

Disk Station Manager 2.1 includes:

- AJAX-Based Management Interface
- Remote File Management with a Web Browser
- Mail Station add-on with one-step installation
- IP camera support
- Website Hosting with PHP+MySQL Support
- USB Printer Sharing
- 3rd-Party Application Integration

And more...

Data Sheet
DS409

Effortless File Sharing & Backup

Synology Disk Stations are designed for data storage and sharing among Windows, Mac, and Linux. Seamless file sharing across different operating systems is an effortless process.

Synology File Station 2 offers an innovative user interface; drag-n-drop and right-click capability allowing users not familiar with FTP to easily access files with a web browser.

Synology Data Replicator 3 allows Windows users to back up data to the Synology Disk Station. Immediate, Sync, and Scheduled Backup are fully-supported.

Synology Local Backup helps to safeguard data by backing up to external hard drives via either USB or eSATA interfaces with flexible scheduling options.

Integrated Applications

Synology Web Station with Virtual Host option allows users to host up to 30 websites on just one server. The built-in PHP+MySQL provides the ability to create interactive websites without complicated settings.

Synology Surveillance Station 2 enables Synology Disk Station DS409 as an economical network video recording (NVR) solution. Over 130 popular IP cameras of varying brand names are supported.

Synology Network Backup allows users to back up files from their Synology Disk Station or any rsync compatible server. A Local Backup feature allows backups to external hard drives via USB or eSATA, both providing flexible scheduling options.

Eco Friendly

Synology Disk Stations are designed and developed with energy efficiency in mind. Compared with its average PC counterparts, Synology Disk Stations consume a relatively low amount of power and hibernate when not in use.

HDD hibernation can be manually configured for use during a specific time period or activate when the system has been inactive for a certain period of time. This not only helps to save energy but also extends the lifespan of the hard disk.

Another "green" feature of Synology Disk Stations is the unique Scheduled Power On/Off function. You can schedule your own timetable and set the system to power on or off automatically according to that schedule.

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.

Technical Specifications

Hardware

- CPU Clock Rate: 1.2 GHz
- RAM Size: 256MB
- Internal HDD⁽¹⁾: 4X 3.5" SATA(II) or 4X 2.5" SATA using Synology Disk Holder Type B
- External HDD Interface: 2X USB 2.0 ports, 1X eSATA
- Size: 168mm X 184mm X 230mm
- Weight: 2.23kg
- LAN: Gigabit X1
- Fan: 2X (80mm X 80mm)
- Noise Level⁽²⁾: 23 dB(A)
- Power Recovery
- AC Input Power Voltage: 100V to 240V
- Power Frequency: 50Hz to 60Hz, Single Phase
- Max HDD Support (Internal HDD): 2TB
- 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
- Maximum Operating Altitude: 10,000 feet

Power Consumption⁽³⁾

- 50 W (Access); 14 W (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 Accounts: 2048
- Max Groups: 256
- Max Shared Folder: 256
- Max Concurrent Connections (SAMBA, FTP, AFP): 128

Utilities

- Synology Assistant
- Synology Data Replicator 3
- Synology Download Redirector

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

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
- Subtitles: 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 (USB)
- 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
- PC Desktop Backup (using Synology Data Replicator 3)
- 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, Japanese, Traditional Chinese, Simplified Chinese, Hungarian, Turkish, Portuguese Brazil, Portuguese European

Environment

- RoHS Compliant

Package Contents

- DS409 Main Unit
- Installation CD
- Welcome Note
- Assembling Kit
- AC Power Adapter
- 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 4 Seagate 750GB ST3750640NS 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, DS409 supports PostScript USB printers only.

About Synology

Founded in April of 2000, Synology Inc. develops next-generation Network Attached Storage (NAS) servers for the home, small and medium sized business markets. Providing a secure way of storing and sharing digital content, Synology products are stylish, easy-to-use, and energy-efficient. All Synology product investments are enhanced with free software upgrades and 24/7 online support. Headquartered in Taipei, Taiwan, Synology has expanded globally with regional offices in the US (Redmond, Washington) and the UK (London, England).

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