



Disk Station DS508

Ultra-high-speed, 5-bay NAS Server with Hot-swappable HDD design, 2 Gigabit LAN ports and Windows ADS Authentication for Small Businesses and Corporations.

Key Features

- High Speed:
 - 34+ MB/Sec RAID 5 Write
 - 54+ MB/Sec RAID 5 Read
- IP Camera Video Recording
- 2 Gigabit LAN Ports
- Scheduled Power On/Off
- Power Saving (27W ~ 82W)
- Windows ADS Support
- Encrypted Network Backup
- Encrypted FTP with Hack Prevention

KEEPING DATA AVAILABLE 24/7

DS508 is designed to serve continual data access for corporate users. The hot swappable hard drives are easily replaceable when hard drive failure occurs. Data is available 24/7.

ULTRA-EFFICIENT & FLEXIBLE

DS508 provides ultra-speedy data transmission and powerful computing capability, which is not only suitable for corporate environments that demand efficiency, but also a great choice for power users who massively access data on the server.

2 NETWORK INTERFACES

The 2 Gigabit LAN port design allows the DS508 to work in two subnets simultaneously or in one subnet with 2 different IP addresses. It is designed particularly for corporate environments utilizing more than one LAN.

WORK WITH WINDOWS ADS

DS508 is compatible with Windows ADS. Windows domain users are able to access data shared from DS508 when they pass the Active Directory authentication. This will greatly save your time on creating large amount of accounts for the domain users.

IP CAMERA VIDEO RECORDING

When connecting IP cameras to the network and recording the videos to the DS508, Surveillance Station provides you an economical network video recording solution. On Surveillance Station, you can watch the camera-monitored area on a real-time basis, and also view and manage the recorded video clips. Feel free to choose either the continuous or motion-detection recording mode that best fits your need.

FLEXIBLE STORAGE MANAGEMENT

DS508 allows you to create RAID 0, RAID 1, RAID 5, or RAID 6 volume on it. Its flexible storage management allows you to upgrade from Basic to RAID 1, or to assemble with smaller hard drives first, and later on expand the RAID 1, RAID 5, or RAID 6 volume by replacing the existing hard drives with larger ones when budget is allowed. Moreover, you can also expand the RAID 5 and RAID 6 volume by adding a hard drive on the fly. When the hard drives on DS508 are full, you can expand the storage capacity simply by attaching an external hard drive to the USB or eSATA port of DS508.

SECURITY ENHANCEMENTS

- Encrypted FTP allows you to transmit data using "FTP over SSL" or "FTP over TLS" option.
- HTTPS support encrypts all HTTP connections with SSL transport mechanism.
- Encrypted Network Backup ensures Network Backup is done with encrypted data transmission. You no longer need to worry about critical data being exposed in danger.

TOTAL BACKUP SOLUTIONS

Data backup is so important but people tend to ignore it, DS508 makes data backup so complete and automatic that backups are always done without your attention. You can always find the backup alternatives that fit your needs.

- Network Backup is designed for you to back up data from DS508 to another Synology product that also supports Network Backup function or rsync-compatible server.
- Local Backup allows you to back up data from DS508 to external hard drive attached to DS508 via the USB or eSATA port.
- Desktop Backup simplifies desktop backup with Synology Data Replicator 3. PC users will enjoy the easy-to-use backup tool to back up important data automatically.

SHARE FILES BETWEEN WINDOWS AND MAC

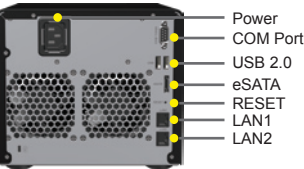
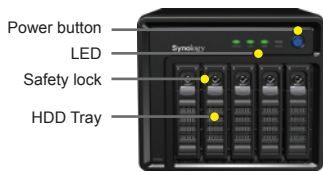
DS508 is designed for Windows users and Mac users to share files seamlessly. Windows users can access DS508 via Samba and FTP, and Mac users via Samba, FTP, and AFP. Unicode support allows sharing files smoothly in different languages.

Even more, File Station is a great way for you to remotely access and manage files stored on DS508. Simply use a web browser to connect to DS508, and you'll have total control over the files. With File Station, moving files among shared folders will now be only seconds away!

OTHER FEATURES

- Web Station with PHP+My SQL
- Download Station 2
- Multimedia Service
- iTunes Server
- Photo Station 3
- USB Printer Sharing

CONNECTIONS & BUTTONS



Technical Specifications

Hardware

- CPU Clock Rate: 800 MHz
- RAM Size: 512MB
- Internal HDD: 3.5" SATA(II) X5
- External HDD Interface: USB 2.0 port X2, eSATA port x 1
- Size: 242(D) X 203(W) X 177(H)
- Weight: 4.75kg
- LAN: Gigabit X2
- Fan: X2 (80 x 80mm)
- Noise Level: 26 dB(A)⁽⁵⁾
- Power Recovery
- AC Input Power Voltage: 100V to 240V
- DC Output Power Voltage: ATX 2.2
- Power Frequency: 50Hz to 60Hz, Single Phase
- Max Capacity (Internal HDD): 7.5 TB
- Max Supported IP Camera #: 10
- 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(1)

- 82W(Access); 27W(Hibernation)

Certification

- FCC Class B, CE Class B, BSMI Class B, VCCI Class B

Networking Protocols

- CIFS
- AFP (3.1)
- FTP

Windows ADS Domain Integration

- ADS Support
- Domain users login via Samba/AFP/FTP
- Synology Data Replicator 3 for Domain Users

Security

- "FTP over SSL (explicit)" or "FTP over TLS (explicit)"
- Encrypted Network Backup
- HTTPS Connection
- FTP Auto-Block

File System

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

File Sharing

- Max User Accounts: 2,048
- Max Groups: 256
- Max Shared Folder: 200
- Max Concurrent Connections: 128

Utilities

- Synology Assistant
- Synology Data Replicator 3
- Synology Download Redirector
- Add printer wizard

Applications

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

UPnP Multimedia Service Support

- 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

iTunes Server Support

- Audio Format: MP3, M4A⁽⁴⁾, M4P⁽⁴⁾
- Playlist Format: M3U, WPL

Audio Station Support

- Audio Format: AAC, FLAC, M4A, MP3, Ogg Vorbis, WMA, WMA VBR
- Playlist Format: M3U, WPL
- Internet Radio: SHOUTcast, Radioio

Photo Station 3 Support

- Video Format: ASF, AVI, MPEG1, MPEG4, WMV, XviD, DivX, DAT⁽²⁾, MP4⁽²⁾, MPEG2⁽²⁾, RM⁽²⁾, RMVB⁽²⁾, VOB⁽²⁾
- 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
- External HDD Hibernation (USB)
- Scheduled Power On/Off
- Firmware Upgrade
- FTP passive port range
- Hide-able Shared Folder
- Internal HDD Hibernation
- Movable Shared Folder
- Removable Default Shared Folder
- System Temperature
- Ez-Internet
- PPPoE
- Telnet/SSH Support
- UPS Management (Over USB 2.0)

- User Quota
- Web-based Download Station

RAID Management

- Volume Type: Basic, RAID 0, RAID 1, RAID 5, RAID 6
- Upgrade from Basic to RAID 1
- Expand RAID 1, RAID 5, or RAID 6 with Larger Hard Drives
- Volume Auto-rebuild after abnormal power failure
- Expand RAID 5/RAID 6 by Adding a Hard Drive On The Fly

Backup Solutions

- Network Backup
- Local Backup
- Desktop Backup (using Synology Data Replicator 3)

3rd-Party Backup Support

- Acronis True Image
- Symantec Backup Exec
- EMC Retrospect
- LaCie SilverKeeper

Supported Clients

- Windows 2000 onward
- Mac OS X 10.3 onward

Printer Support(3)

- Max Printer #: 1
- Supported Protocols: LPR, CIFS, AppleTalk

Languages

- English, German, French, Italian, Spanish, Danish, Norwegian, Swedish, Dutch, Russian, Japanese, Korean, Traditional Chinese, Simplified Chinese.

Environment

- RoHS Compliant

Package Content

- DS508 Main Unit
- Installation CD
- Welcome Note
- Assembling Kit
- AC Power Cord
- 2M RJ-45 LAN Cable X2

(1) Measured with 5 Seagate 750GB ST3750640NS hard drives. The figures could vary on different environments.
 (2) User can click and download the file, but not play it in Photo Station as compressed Flash video.
 (3) For Mac users, DS508 supports PostScript USB printers only.
 (4) The music can be streamed, but the metadata (ex:title, album) may not be indexed on the iTunes.
 (5) FAN only. Measured at 2300-6200RPM, varied among models. More details about dB(A) value, check <http://www.quietnoise.com/facts.htm>

Green techniques and Environmentally-friendly

All Synology products are designed with the concept of sustainable development and environmental protection. Thus, Synology products offer environmentally friendly features such as low power consumption, hibernation functionality, and green materials which include RoHS compliant parts and recyclable packing materials.

On top of that, we have developed various techniques that further reduce the impact on the earth, such as Scheduled Power On/Off and Multi-Speed Fan Control which lowers power consumption and enhances energy efficiency. This in turn helps users save on electricity costs.

We see ourselves as an advocator of green products and thus will continue our efforts to design more environmentally-friendly products.

SYNOLOGY INC.

Synology Inc, founded in April of 2000, is dedicated to bringing a NEW NAS experience to the public. It aims to provide people with an easy-to-use, feature-rich, energy efficient, and affordable way of storing and sharing digital content. Synology products are designed with resource savings in mind - energy efficient, small footprint, and environmentally friendly. Users' investments are protected with free software upgrades and 24/7 online support. This makes Synology products an ideal choice for users from the Home, Small Workgroup, Small Business, and Corporate settings.

Copyright © 2008, Synology Inc. All rights reserved. Synology, the Synology logo are trademarks or registered trademarks of Synology Inc. Other product and company names mentioned herein may be trademarks of their respective companies. Synology may make changes to specification and product descriptions at anytime, without notice. Printed in Taiwan, DS508-2008-ENU-REV002

<http://www.synology.com>

6F-2, No. 106, Chang An W. Rd., Taipei, Taiwan
 Tel: 886 2 2552 1814 Fax: 886 2 2552 1824

Networking

