



# Disk Station DS209+

Ultra-High Speed 2-bay NAS Server with RAID 1 Data Protection, Intuitive AJAX-based User Interface, Smart FAN, and Energy-Saving Design.

## Key Features

- Ultra-High Performance
- Power-Saving
- Quiet

**Packed with Disk Station Manager 2.0 that provides:**

- AJAX-Based Management Interface
- Secured Internet & Intranet File Sharing
- Flexible Data Backup & RAID Management
- Integrated Surveillance Solution
- Multiple Corporate Websites Hosting
- And more...

**A speedy, smart, and energy saving NAS server to facilitate your office works and maximize your work efficiency; a NAS server with its rich functions and extensive support are well structured on the intuitive and responsive interfaces of Synology Disk Station Manager 2.0 - the DS209+ is the ideal choice for businesses and entry corporations demanding ultra-high performance NAS server of proficient storage capacity scale.**

Designed with modern simplicity fashion, Synology DS209+ with its 800MHz CPU and 512MB RAM delivers impressive performance, brings forth the concept of energy saving with Power On/Off design, and offers variable RAID management. The 3-speed smart fan control is applied to ensure a cool and quiet NAS server in the office environments.

### **SPEEDY PERFORMANCE**

Synology DS209+ provides speedy data transmission and powerful computing capability with proven statistics. Within RAID 1 configuration, the DS209+ reaches 42+MB/Sec in reading and 36+MB/Sec in writing based on the built-in high level CPU and RAM standards. It accelerates efficiency by maximizing user accounts to 2,048, user groups to 256, and concurrent connections to 256.

### **SMART FAN DESIGN**

The Synology DS209+ adopts 3-speed smart fan control. The fan operates in a full, middle, and low speed based on temperature fluctuation. This helps to cool down the machine while a quiet working environment is guaranteed. And more importantly, the automatic speed adjustment design saves the unnecessary power consumption caused by fan spinning.

### **INTUITIVE USER INTERFACE**

Synology Disk Station Manager 2.0 offers a broad range of pragmatic and refined functions on its well organized and responsive user interfaces. Utilizing the AJAX technology, sophisticated designs of Synology DS209+, such as fast searching, file sharing, drag-n-drop My favorites, and data auto check, come true in a simplified presentation. Led by the innovation and beauty of this presentation, users are able to surf the Linux system as they would do in a Windows environment.

### **SPARKLING FEATURES**

- Secured Internet File Sharing
- Flexible Storage Management
- Total Backup Solution
- Economic and Integrated NVR Solution
- Multiple Corporate Websites Hosting
- And more...

### **ENERGY SAVING**

Synology products are designed with the concept of energy saving in mind. Compared with PC server products, Synology products consume relatively far less power than their PC counterparts and are hibernated when not in used.

Furthermore, the Power On/Off application added to the Synology DS209+ gives users the freedom to set the system to power on or power off modes at a specified time as they wish, which assists users to better watch out their wallets, especially in the age of high oil price.

### **PROTECT OUR EARTH**

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



## Technical Specifications

### Hardware

- CPU Clock Rate: 800 MHz
- RAM Size: 512MB
- Internal HDD: 3.5" SATA(II) X2
- External HDD Interface: USB 2.0 port X3, eSATA port x1
- Max Capacity (Internal HDD): 2 TB
- Size (mm): 161(H) X 88(W) X 218(D)
- Weight: 0.98kg
- LAN: Gigabit X1
- Fan: X1 (70 x 70mm)
- Fan noise: 25 dB(A) <sup>(1)</sup>
- Fan Speed: Full 2,570 RPM, Middle 2,100 RPM, Low 1,850 RPM
- Power Recovery
- AC Input Power Voltage: 90V to 230V
- DC Output Power Voltage: 12V
- Power Frequency: 50Hz to 60Hz, Single Phase
- Max Supported IP Camera #: 10
- Storage Temperature: -10°C to 70°C (15°F to 95°F)
- Operating Temperature: 5°C to 35°C (40°F to 95°F)
- Relative Humidity: 5% to 95%RH
- Maximum Operating Altitude: 10,000 feet

### Power Consumption<sup>(2)</sup>

- 32.4W(Access); 18W(Hibernation)

### Certification

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

### Networking Protocols

- CIFS
- AFP (3.1)
- FTP
- Telnet
- SSH
- NFS 2.0 & 3.0 (Limited)

### 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: 256

### 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<sup>(3)</sup>, M4P<sup>(3)</sup>
- 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<sup>(3)</sup>, MP4<sup>(3)</sup>, MPEG2<sup>(3)</sup>, RM<sup>(3)</sup>, RMVB<sup>(3)</sup>, VOB<sup>(3)</sup>
- 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, eSATA)
- 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
- Upgrade from Basic to RAID 1
- Expand RAID 1 with Larger Hard Drives

### 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<sup>(4)</sup>

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

### Languages

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

### Environment

- RoHS Compliant

### Package Content

- DS209+ Main Unit
- Installation CD
- Welcome Note
- Assembling Kit
- AC Power Cord
- AC Power Adapter
- 2M RJ-45 LAN Cable

(1) Measured at 3,000 RPM. More details about dB (A) value, check [www.guinetnoise.com/facts.htm](http://www.guinetnoise.com/facts.htm)

(2) Measured with 2 Seagate 750GB ST3750640NS hard drives. The figures could vary on different environments.

(3) User can click and download the file, but not play it in Photo Station as compressed Flash video.

(4) For Mac users, DS209+ supports PostScript USB printers only.

(5) The music can be streamed, but may not be indexed on the iTunes.

## SYNOLOGY INC.

Synology Inc., founded in April 2000 by a duo experienced in system designing and marketing, is a dedicated Network Attached Storage (NAS) products provider located in the Taipei city, Taiwan. With a staunch and united team organization, Synology creates and brings forth NAS servers of originality for the global market. Under the breezy yet conscientious team work, Synology embodies the spirit of vitality, creativity, speciality, and versatility, implanting a new breath into the staid NAS business. With our sustained and substantial investment in research and development, Synology is pursuing the laurels of contemporary NAS industry on an international scale.

Synology NAS Servers are designed to fulfill its customers' need of security, performance, energy saving, and functionality on a broad range around the globe from prosumers to corporations. Moreover, to practice commitment made to its widespread customers and to provide every possible means of satisfactory services, Synology is using its best endeavors to the establishment a fully developed customer support and service team. Having a vision beyond the visible, Synology NAS Servers signify -Value.

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## Networking

