Synology DiskStation DS212+

High-Performance 2-bay All-in-1 NAS Server

Synology® DiskStation DS212+ offers a high-performance, secure, and full-featured network attached storage solution that helps small and medium-sized businesses centralize backup, protect critical assets and share files quickly and efficiently. Synology protects your investment in the DS212+ with a 2-year limited warranty.

Highlights

- 109 MB/sec Reading, 56 MB/sec Writing
- Features SuperSpeed USB 3.0
- Hardware Encryption Engine
- Windows® ACL Support
- Complete Backup Solutions
- Cool and Quiet Design
- Running on Synology DiskStation Manager (DSM)

High Performance

The Synology DS212+ is designed for business users who require a reliable storage solution and demand high-performance for file sharing. The Synology DS212+ delivers an average 109 MB/sec reading and 56 MB/sec writing speeds under RAID 1 configuration in a Windows® environment.

Coming with USB 3.0 support of which transmission speeds of up to 5 Gbps, namely 10 times faster than USB 2.0, DS212+ takes less time for data transfer for external hard drives and consumes less power. In addition, hot-swappable drives make it easier for maintenance and hard drive replacement.

Fit to Business Environment

Comprehensive network protocol support assures seamless file sharing across Windows®, Mac®, and Linux® platforms. Windows® ADS and LDAP integration allows the Synology DS212+ to quickly and easily fit in an existing business network environment with no need to recreate user accounts. Windows® ACL support provides much finer-grained access control and efficient privilege settings, allowing users to enjoy native Windows experience.

Internet file access is simplified with the included encrypted FTP server and the web-based File Browser. HTTPS, the built-in firewall, and IP auto-block support ensure file sharing over the Internet is protected at a high security level.

Rich Office Applications

The DS212+ runs on the renowned operating system, Synology DiskStation Manager, offering applications and features designed specifically for SMBs. Directory Server package turns DS212+ into an LDAP-based directory server within minutes, providing the capability to centralize user accounts and authenticate user identity in different applications and therefore enhance network security and reduce managing costs.

Syslog Server is an add-on package that turns a DS212+ to system log server, centralizing logs from multiple servers to your DS212+ to provide higher log preservation capability, server status transparency and help trouble shooting efficiency against multiple servers.

The built-in mail server offers a professional mail service and the USB printer sharing capability minimizes businesses' cost by sharing printing resources throughout the office. VPN Server package offers an easy VPN solution that turns your DS212+ into a VPN server, providing a secure way of connecting to a private LAN at a remote location.

Complete Backup Solutions

A backup wizard is provided for backing up data in the DS212+ to another Synology DiskStation or any rsync server via an encrypted connection, or to an external hard drive via USB 3.0 or eSATA connection. The wizard also makes it easy to backup to the cloud via Amazon® S3. In addition, users can back up and restore DiskStation shared folders in multiple versions using Synology Time Backup package.

Shared Folder Sync allows users to synchronize a specific folder from DS212+ to another – a server-to-client backup mechanism when anything is changed on the server side. Users will be able to share documents within their local office seamlessly and safely with encrypted connection. When your DiskStation is down, you will be able to have an immediate backup running in no time.

Peace of Mind with Data Encryption

The Synology DS212+ is equipped with an encryption engine which offloads the encryption calculation task away from the main CPU, helping to improve file transfer speeds of the DiskStation.
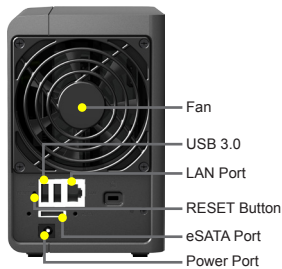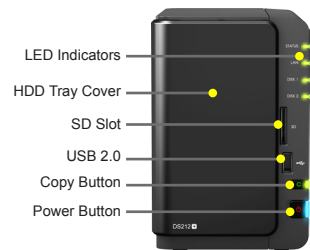
Data protection is an important matter for businesses of all sizes. High-end features previously available only on enterprise level hardware are now accessible via the DS212+ to small and medium-sized businesses. DS212+ provides share-level AES 256-bit encryption to aid in the prevention of unauthorized access attempts to the hard drives.

Energy Efficient with Cool and Quiet Design

Synology DS212+ comes with the hardware design with energy efficiency in mind. Not only does it provide a 92x92 mm fan and the smart airflow to keep the system running cool 24/7, its noise cancellation mechanism make it really quiet compared to PC counterparts. The support of Wake on LAN/WAN, multiple scheduled power on/off and hard drive hibernation can further reduce power consumption and operation cost.

All Synology products are produced with RoHS compliant parts and packed with recyclable packing materials. Synology acknowledges the responsibility as a global citizen to continually work to reduce the environmental impact of every product produced.

CONNECTIONS & BUTTONS

- LED Indicators
- HDD Tray Cover
- SD Slot
- USB 2.0
- Copy Button
- Power Button

- Fan
- USB 3.0
- LAN Port
- RESET Button
- eSATA Port
- Power Port

SYNOLOGY INC.

Founded in 2000, Synology is a young and energetic company dedicated to developing high-performance, reliable, versatile, and environmentally-friendly Network Attached Storage (NAS) products. Our goal is to deliver user-friendly solutions and solid customer service to satisfy the needs of businesses, home offices, individual users and families.

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Technical Specifications

Hardware

- CPU Frequency: 2.0GHz
- Memory: 512MB
- Internal HDD: 2X 3.5" SATA(II) or 2X 2.5" SATA/SSD
- Max Internal Capacity: 6TB (2X 3TB hard drives) (hard drives not included)
- Hot swappable HDD
- Size (HxWxD): 165mm X 108mm X 233.2mm
- External Storage Interface: USB 3.0 X 2, USB 2.0 x 1, eSATA port X 1, SD card slot X 1
- Wake on LAN
- Weight: 1.25Kg
- LAN: Gigabit X1
- Wireless Support (wireless dongles not included)
- Hardware Encryption Engine
- Fan: X1(92 X 92mm)
- Power Recovery
- AC Input Power Voltage: 100V to 240V
- Power Frequency: 50Hz to 60Hz, Single Phase
- Power Consumption[1]: 18.7W (Access); 7.9W (HDD Hibernation)
- 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
- Certification: FCC Class B, CE Class B, BSMI Class B

Applications

File Browser
- Virtual Drive
- Remote Folder

FTP Server
- Bandwidth Control
- Custom FTP Passive Port Range
- Anonymous FTP
- Transfer Log

Mail Server
- Supported Mail Server Protocol : POP3, SMTP, IMAP

Web Station
- Virtual Host (up to 30 websites)
- PHP/MySQL
- Alternative HTTP Error Page
- 3rd-Party Applications Support

Surveillance Station
- Default IP cam #: 1
- MAX IP cam # (licenses required): 12 (1 free license to install 1 IP camera. Additional licenses can be purchased to expand the license quota.)

Photo Station
- Facebook Integration
- Supported Image Format: BMP, JPG (jpe, jpeg), GIF, RAW (arw, srf, sr2, dcr, k25, kdc, cr2, crw, nef, mrw, ptx, pef, raf, 3fr, erf, mef, mos, orf, rw2, dng, x3f)
- Supported Video Format: 3G2, 3GP, ASF, AVI, DAT, DivX, FLV, M4V, MOV, MP4, MPEG, MPG, QT, WMV, XviD, RM, RMVB, VOB, RV30, RV40, AC3, AMR, WMA3 (User can click and download the following video formats: RM, RMVB, VOB,

RV30, RV40, AC3, AMR, WMA3, but not able to play it in Photo Station as compressed Flash video.)

Download Station
- Supported Download Protocols: BT/HTTP/FTP/NZB/eMule
- Custom BT Port
- BT / eMule Bandwidth Control

Audio Station
- Supported Audio Format: (USB Mode) AAC, FLAC, M4A, MP3, Ogg Vorbis, WMA, WMA VBR; (Streaming Mode) MP3, M4A, M4B
- Supported Playlist Format: M3U, WPL
- Internet Radio: SHOUTcast, Radioio

DLNA/UPnP Media Server
- PS3/Xbox 360 Support
- Supported Audio Format: AAC, FLAC, M4A, MP3, Ogg, Vorbis, PCM, WAV, WMA, WMA VBR, WMA PRO, WMA Lossless
- Supported Video Format: 3GP, 3G2, ASF, AVI, DAT, DivX, DVR-MS, ISO, M2T, M2TS, M4V, MKV, MP4, MPEG1, MPEG2, MPEG4, MTS, MOV, QT, SWF, TP, TRP, TS, VOB, WMV, XviD, RV30, RV40, AC3, AMR, WMA3, RMVB
- Supported Image Format: BMP, JPG (jpe, jpeg), GIF, ICO, PNG, PSD, TIF (tiff), UFO, RAW (arw, srf, sr2, dcr, k25, kdc, cr2, crw, nef, mrw, ptx, pef, raf, 3fr, erf, mef, mos, orf, rw2, dng, x3f)

iTunes Server
- Supported Audio Format: MP3, M4A, M4P, WAV, AIF (The music in WAV and AIF format can be streamed, but the metadata (ex: title, album) may not be indexed on the iTunes.)

- Supported Video Format: M4V, MOV, MP4
- Supported Playlist Format: M3U, WPL

Print Server
- Max Printer #: 2
- Printing Protocols: LPR, CIFS, AppleTalk, Apple AirPrint, Google Cloud Print (For Mac users, DS212+ supports PostScript USB printers only)
- Multi Functional Print Server

Package Center
- Mail Station
- Squeezebox Server
- Webalizer
- phpMyAdmin
- Time Backup
- VPN Server
- WordPress
- Syslog Server
- Directory Server
- HiDrive Backup

iPhone/Android Applications
- DS photo+
- DS audio
- DS cam
- DS file
- DS finder

General Specifications

Networking Protocols
- CIFS, AFP, FTP, iSCSI, Telnet, SSH, NFS, SNMP, WebDAV, CalDAV

File System
- EXT4
- EXT3 (External Disk Only)
- FAT (External Disk Only)
- NTFS (External Disk Only)

Volume Management
- Synology Hybrid RAID
- Max Volume #: 256
- Max iSCSI Target #: 10
- Max iSCSI LUN #: 10
- Volume Type: Basic, JBOD, RAID 0, RAID 1
- RAID Migration: from Basic to RAID 1
- Expand RAID 1 with Larger Hard Drives

File Sharing Capability
- Max User Account #: 2048
- Max Group #: 256
- Max Shared Folder #: 256
- Max Concurrent Connections # (SAMBA, FTP, AFP): 256

Windows ADS Domain Integration
- Domain Users login via Samba/AFP/FTP/File Station

Backup Solutions
- Network Backup
- Local Backup
- Desktop Backup (using Synology Data Replicator or Apple Time Machine backup application)
- 3rd-Party Backup Support

Security
- FTP over SSL/TLS
- IP Auto-Block
- Firewall
- Encrypted Network Backup over Rsync
- HTTPS Connection

Management
- DSM Upgrade
- DSM mobile
- Email Notification
- SMS Notification
- Customized User Quota
- DDNS Support
- PPPoE
- Resource Monitor
- UPS Management
- UPnP Router Support
- Scheduled Power On/Off
- Custom Management UI HTTP/HTTPS Ports

HDD Management
- HDD Hibernation
- S.M.A.R.T.
- Dynamic Bad Sector Mapping

Utilities
- Synology Assistant
- Synology Data Replicator

Support Browsers
- Internet Explorer 7/8/9
- Firefox
- Safari 4/5 (Mac)
- Chrome

Supported Clients
- Windows 2000 onward
- Mac OS X 10.3 onward
- Ubuntu 9.04 onward

Language
- English, Deutsch, Français, Italiano, Español, Dansk, Norsk, Svensk, Nederlands, Русский, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, Český, 日本語, 한국어, 繁體中文, 简体中文

Environment and Packaging

Environment
- RoHS Compliant

Package Content
- DS212+ Main Unit
- Installation DVD

- Welcome Note
- Assembling Kit
- AC Power Adapter
- AC Power Cord
- 2M RJ-45 LAN Cable

Optional Accessories
- Synology Remote
- Camera License Pack

1. Measured with 2 Western Digital 3TB WD30EZRS hard drives. The figures could vary on different environments.

Networking

External Disk — DS212+ — USB Printer

DS212+ — Wireless Router — Windows ADS Server

PC / Mac / Linux — PC / Mac / Linux — IP Camera