Synology DiskStation DS212

Feature-rich 2-bay NAS Server for Workgroups and Offices

Synology® DiskStation DS212 offers an affordable and full-featured network attached storage solution, specifically designed for small business workgroup users who need to share and protect data cost-effectively, while increasing productivity with comprehensive business-oriented applications. Running on DiskStation Manager (DSM) operating system, it delivers ease of use and variety of features.

Highlights

- Optimal Price/Performance Ratio
- Features SuperSpeed USB 3.0
- Hardware Encryption Engine
- Cool and Quiet Design
- Effective Backup Solutions
- Running on Synology DiskStation Manager (DSM)

Optimal Price/Performance Ratio

Synology DS212 delivers an average 110 MB/sec reading speed under RAID 1 configuration in a Windows environment, and 54.3 MB/sec writing. DiskStation DS212 provides a reliable solution for data sharing with an easy to use interface, and comprehensive office applications, including a complete backup solution making it one of the best values in 2-bay NAS devices available today.

Coming with USB 3.0 support which offers 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.

Simple Sharing

Synology DS212 offers comprehensive network protocol support, assuring seamless file sharing across Windows, Mac, and Linux platforms. Windows ADS and LDAP integration allows the Synology DS212 to quickly and easily fit into an existing business network environment with no need to recreate user accounts on the Synology DS212. Internet file access is simplified by the 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.

If you are always on the move, Synology provides a handy app, DS file for iPhone, iPad and Android users. Anything stored on Synology DS212 can now be accessed remotely using DS file via the Internet.

Business Applications

Synology DS212 runs on the award-winning operating system, Synology DiskStation Manager (DSM), offering comprehensive applications and features designed specifically for home and business workgroups.

The built-in mail server turns Synology DS212 into a dedicated mail service provider, 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.

Synology Web Station with support for PHP/MySQL web content allows hosting of up to 30 websites, and 3rd party web applications such as Content Management, Customer Relationship Management & e-Commerce system.

Effective Backup Solutions

Synology DS212 offers a centralized backup target to consolidate fragmented and unstructured data across a network. PC users can back up their data to Synology DS212 using Synology Data Replicator software, and Mac OS X users enjoy native Apple® Time Machine integration.

A backup wizard is provided for backing up data from Synology DS212 to another Synology DiskStation, to other rsync server, or to an external drive. Backing up to Amazon® S3 cloud service is also supported. The add-on package, Time Backup, keeps DiskStation data in multiple versions, so IT administrators could easily keep track of them and restore to a previous version whenever required.

USBCopy and SDCopy provide a plug-n-save solution to store data. By pushing the «Copy» button on the front panel, you can quickly back up all data from your USB storage device or SD card to your DiskStation.

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.
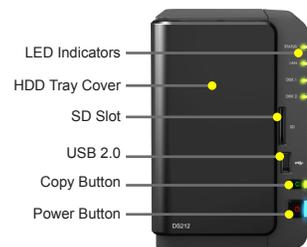
Data protection is an important matter for businesses of all sizes. High-end features previously available only on enterprise level hardware are now accessible via Synology DS212 to small and medium-sized businesses. DS212 provides share-level AES 256-bit encryption to aid in the prevention of unauthorized access attempts to the hard drives.

Energy Efficient with Cool and Quiet Design

Synology DS212 is designed 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 dampening design makes 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 packaging 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

DS212

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

Technical Specifications

Hardware

- CPU Frequency: 1.6GHz
- Memory: 256MB
- 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, 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]: 18.2W (Access); 6.8W (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): 8 (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): 128

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

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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