



Synology DiskStation DS211+

High-Performance 2-bay All-in-1 NAS Server Provides Peace of Mind for SMB Users

Synology® DiskStation DS211+ 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 DS211+ with a 2-year limited warranty.

Highlights

- 108MB/sec Reading, 55MB/sec Writing¹
- Windows® ACL Support
- Complete Backup Solutions
- 256-bit AES Hardware Encryption Engine
- Hot Swappable Hard Drives
- Cool and Quiet Design
- Power-saving with only 24W in Operation

High Performance

The Synology DS211+ is designed for business users who require a reliable storage solution and demand high-performance for file sharing. The Synology DS211+ delivers an average 108MB/sec reading and 55MB/sec writing speeds under RAID 1 configuration in a Windows environment.

Full-featured Business Applications

The Synology DS211+ runs on the renowned operating system, Synology DiskStation Manager 3.0 (DSM 3.0), offering applications and features designed specifically for SMBs. Comprehensive network protocol support assures seamless file sharing across Windows, Mac®, and Linux® platforms. Windows ADS integration allows the Synology DS211+ 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 explorer, Synology File Station 3. HTTPS, the built-in firewall, and IP auto-block support ensure file sharing over the Internet is protected at a high security level.

A wealth of additional features allows the Synology DS211+ to replace several pieces of network hardware. Synology Web Station with support for PHP/MySQL content allows for the hosting of up to 30 websites on a single Synology DS211+. Synology Surveillance Station offers a centralized interface to safeguard the office environments by deploying IP cameras throughout the network. The Mail Station add-on turns a Synology DS211+ into a mail server with only few steps of installation and the USB printer sharing capability minimizes businesses' printing cost by sharing printing resources throughout the office.

With the NFS protocol or iSCSI target support in DSM 3.0, the Synology DS211+ provides a seamless storage solution for with Windows, Linux, or virtualization servers.

Complete Backup Solutions

The Synology DS211+ offers a centralized backup target to consolidate fragmented and unstructured data across the network. Integrating easily into a current network structure and compatible with Windows, Mac, and Linux systems, the DS211+ provides the entire office data redundancy and protection. PC Users can back up their data to the Synology DS211+ using the free Synology Data Replicator software, while Mac OS X users enjoy native Apple® Time Machine® integration. A backup wizard is also provided for backing up data in the DS211+ to another Synology DiskStation or any rsync server via an encrypted transmission, or to an external hard drive via USB or eSATA connection. Furthering options, 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.

USB Copy and SD Copy provide a plug-n-save solution to store data. With just one touch on the «Copy» button in the front panel, it quickly backs up all data on an USB storage device or SD card to the pre-defined shared folder on the DiskStation.

Peace of Mind with Data Encryption

The Synology DS211+ 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. The Synology testing lab shows that the hardware encryption engine boasts read speed that is about 200% faster than the pure software encryption¹.

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 DS211+ to small and medium-sized businesses. DiskStation Manager 3.0 (DSM 3.0), standard on all Synology DiskStations, provides share-level AES 256-bit encryption to aid in the prevention of unauthorized access attempts to the hard drives.

Easy Setup and Management

Synology DSM 3.0 operating system offers intuitive and easy-to-use web experience. For users who are limited on time and not familiar with configuring complicated routers, the Synology EZ-Internet Wizard simplifies the process of setting up access to the Synology DS211+ from the Internet. The EZ-Internet Wizard steps through all of the settings including firewall settings, port-forwarding, PPPoE setup and DDNS registration.

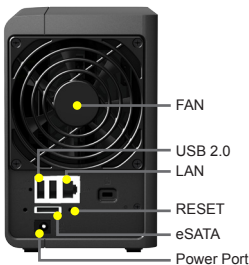
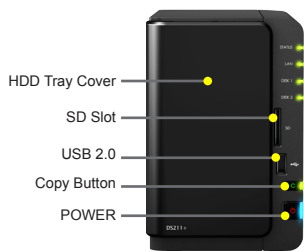
The multitasking web UI on DSM 3.0 lets users to run multiple applications simultaneously on one tab browser and switch between them instantly. User Home feature makes creating private shared folders for a large number of users an easy task as it minimizes the steps and time for the administrator to create private shared folders. Sub-folder privilege settings further extend the flexibility to allocate permissions for different workgroups. All of these features are performed in a web browser, akin to a full desktop experience.

Energy Efficient with Cool and Quiet Design

Synology DS211+ comes with the brand new hardware design with energy efficiency in mind. Not only does it provide the smart airflow to keep the system running cool 24/7, its 92mm fan and the snap-on HDD tray cover also allows the system to operate in a completely quiet environment. DS211+ consumes relatively low amount of power at 24 watts only in operation compared to PC counterparts. The support of 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



Technical Specifications

Hardware

- CPU Frequency: 1.6GHz
- Memory: 512MB
- Internal HDD¹: 2X 3.5" SATA(II) or 2X 2.5" SATA/SSD
- Max Internal Capacity: 6TB (2X 3TB hard drives)¹
- Hot swappable HDD
- Size (HxWxD): 165mm X 108mm X 233.2mm
- External Storage Interface: USB 2.0 port X3, eSATA port X1, SD card slot X1

- Weight: 1.25Kg
- LAN: Gigabit X1
- Wireless Support²
- 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 Consumption³: 24W (Access); 13W (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 / File Station

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

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): 12⁸

Photo Station

- Supported Image Format: BMP, JPG (jpe, jpeg), GIF, RAW (arw, srf, srf2, dcr, k25, kdc, cr2, crw, nef, mrv, ptx, pef, raf, 3fr, erf, mef, mos, orf, rw2, dng, x3f)
- Supported Video Format⁷: 3G2, 3GP, ASF, AVI, DAT, DivX, FLV, M4V, MOV, MP4, MPEG, MPG, QT, WMV, XviD, RM, RMVB, VOB, RV30, RV40, AC3, AMR, WMA3

Download Station

- Supported Download Protocols: BT/HTTP/FTP/NZB/eMule
- Custom BitTorrent Port Range
- BitTorrent / 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

- DLNA Certified
- 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
- Supported Image Format: BMP, JPG (jpe, jpeg), GIF, ICO, PNG, PSD, TIF (tiff), UFO, RAW (arw, srf, srf2, dcr, k25, kdc,

- cr2, crw, nef, mrv, ptx, pef, raf, 3fr, erf, mef, mos, orf, rw2, dng, x3f)
- Supported Subtitles Format: srt, psb, smi, ass, ssa, sub, idx,ifo

iTunes Server

- Supported Audio Format⁸: MP3, M4A, M4P, WAV, AIF
- Supported Video Format: M4V, MOV, MP4
- Supported Playlist Format: M3U, WPL

Print Server⁹

- Max Printer # : 2
- Supported Protocols: LPR, CIFS, AppleTalk

Synology Packages

- Mail Station
- Squeezebox Server
- Webalizer
- phpMyAdmin
- Time Backup

iPhone and Android Applications

- DS photo+
- DS audio
- DS cam

General Specifications

Networking Protocols

- CIFS, AFP, FTP, iSCSI, Telnet, SSH, NFS, WebDAV, SNMP

File System

- EXT4
- EXT3
- FAT32 (External Disk Only)
- NTFS (External Disk Only)

Volume Management

- Synology Hybrid RAID
- Max iSCSI Target / LUN: 10 / 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 Access Control List (ACL) Support

- Domain Users login via Samba/AFP/FTP/File Station

Backup Solutions

- Network Backup
- Local Backup
- Time Backup

- Desktop Backup (using Synology Data Replicator 3 or Apple Time Machine backup application)
- SDCopy
- USBCopy
- 3rd-Party Backup Support

Security

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

Management

- DSM Upgrade
- Email Notification
- SMS Notification
- Customized User Quota
- DDNS Support
- PPPoE
- Resource Monitor
- UPS Management
- Multiple 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 Download Redirector
- Synology Data Replicator

Supported Browsers

- Chrome 5
- Internet Explorer 7 and 8
- Firefox 3.5 and 3.6
- Safari 4 and 5 (Mac)

Supported Clients

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

Supported Mobile Devices (Photo Station, File Station)

- iPhone OS 2.2.1 onward
- Android OS 1.5 onward
- Windows Mobile (IE Mobile or Opera 9.0 onward)
- Symbian OS 9.1, S60 3rd Edition onward

Language

- Czech, Danish, Dutch, English, French, German, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Brazilian, Portuguese European, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish

Environment and Packaging

Environment

- RoHS Compliant

Package Content

- DS211+ 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. The performance figures could vary on different environments.
2. Hard drive not included.
3. The actual capacity will differ according to volume types.
4. Wireless dongles not included. Please check <http://www.synology.com/> for supported wireless dongles.
5. Measured with 2 Seagate 750GB ST3750640NS hard drive. The

6. 1 free license to install 1 IP camera. Additional licenses can be purchased to expand the license quota.
7. 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.

8. The music in WAV and AIF format can be streamed, but the metadata (ox: title, album) may not be indexed on the iTunes.
9. For Mac users, DS211+ supports PostScript USB printers only.

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.

Copyright © 2010, 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. DS211+–2010-ENU-REV001

<http://www.synology.com>

Headquarters

Synology Inc.
3F-3, No. 106, Chang An W. Rd., Taipei, Taiwan
Tel: +886 2 2552 1814 Fax: +886 2 2552 1824

North & South America

Synology America Corp.
2899 152nd Ave NE, Redmond, WA 98052, USA
Tel: +1 425 818 1587

Synology UK Ltd.

Davy Avenue, Knowlhill,
Milton Keynes, Bucks,
MK5 8PB, UK
Tel: +44 01908 673 709

Networking

