



DiskStation DS411j

Budget-friendly 4-bay NAS Server for Small Office and Home Use

Synology DiskStation DS411j is designed to provide a cost-effective file storage and backup solution with RAID protection for multi-user home environments. The operating system, Synology DiskStation Manager, delivers rich features for multimedia enjoyments, worry-free backup, Internet sharing, and energy-saving options.

Key Features

- Large Storage Capacity
- Secure RAID Data Protection
- 24/7 PC-Less Download Server
- DLNA Certified Media Server
- Cool and Ouiet

Your Own Entertainment Center

<u>Download Station</u> functions as a 24x7 BitTorrent, FTP, HTTP, eMule, and NZB download center without a PC. The eMule download engine allows search-n-download capability with a web-browser without installing additional desktop applications.

<u>Audio Station</u> supports music, Internet radio stations, and iPod playback with the optional speakers. An optional direction-free Synology Remote allows you to freely enjoy your music. Streaming mode allows your music to be shared with multiple users over the Intranet or Internet.

<u>DLNA/UPnP Compliant Media Sever</u> allows you to stream multimedia files with an UPnP Digital Media Adapter (DMA) to a stereo system or a TV-set. Sony PS3 and Microsoft Xbox360 are also supported.

<u>iTunes® Server</u> is an easy way to share music with other iTunes clients over the network. Password protection prevents unauthorized sharing.

Back Up Your Precious Data

<u>DiskStation Manager</u> offers comprehensive solutions for you to back up data stored on DiskStation or your desktop computer to the DiskStation.

<u>Server backup</u> includes two alternatives: Network Backup and Local Backup. Both allow you to back up data in the shared folders and databases. Incremental backup option and flexible schedules are available. All can be easily configured with a step-by-step wizard.

<u>Desktop backup</u> provides your Windows PC with <u>Synology Data Replicator</u> for backing up desktop data, Outlook, and Outlook Express emails to your DiskStation by choosing one of the three backup modes: Immediate, Sync, and Scheduled backup, while Mac OS X users can use <u>Apple Time Machine</u> backup application to back up their critical data to DiskStation.

Enrich Your Web Presence

<u>Photo Station</u> simplifies photo, video, and blog sharing over the Internet. The flexibility of photo theme customization, blog layout arrangement, visitor's privilege setting, RSS feed, and the dazzling 3-dimentional photo browsing with Cooliris make Photo Station your state-of-the-art lifestyle sharing center on the Internet.

<u>Web Station</u> with built-in PHP+MySQL allows you to publish your own websites or install numerous popular open source programs.

Access With Your Mobile Device

The iPhone and Android App, <u>DS audio</u>, allows you to stream music stored on your DiskStation with your mobile devices where Internet access is available, while <u>DS photo+</u> allows browsing and uploading photos and videos stored on DiskStation from your mobile devices.

If you own a mobile device running on Windows Mobile® 6.0, iPhone OS 2.2.1 onward, or Symbian OS 9.1, you can log on your DiskStation to view photos with <u>Mobile Photo Station</u> and read supported file formats with <u>Mobile File Station</u> wherever Internet access is available.

Synology Protects Our Earth

Synology DiskStation is designed and developed with energy efficiency in mind. Compared with the average PC counterparts, Synology DiskStation consumes a relatively low amount of power and makes the external hard drives hibernate when not in use. 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 Clock Rate: 1.2GHz, 16bit@DDR800
- CPU Clock Rate: 1.2GHz, 16bH@DDR800
 RAM Size: DDR2 128MB
 Internal HDD¹: 4X 3.5"or 4X 2.5"SATA(II)
 External HDD Interface: 2X USB ports
 Size: 168mm X 184mm X 230mm
 Weight: 2.23kg
 LAN: 1X Gigabit

- Hardware Encryption Engine
 Wireless Support*
 Fan: 2X (80mm X 80mm)
 Noise Level*: 21.7dB(A)
 AC Input Power Voltage: 100V to 240V
 Power Frequency: 50Hz to 60Hz, Single Phase
 Max Internal Capacity: 8TB (4X 2TB hard drives)*

- 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
 Max Operating Altitude: 10,000 feet
 Power Consumption': 42.9W (Access); 16W (HDD Hibernation)
 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

- 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): 56
- Photo Station
 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, FLY, M4V, M0V, MPA, MPEG, MPG, OT, 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, Radioic

DI NA/UPnP Media Server

- DLNA/UPnP Media Server
 DINA Certified
 PS3/Xbox 360 Support
 Supported Audio Format: AAC, FLAC, M4A, MP3,
 Ogg, Vorbis, PCM, WAV, WMA, WMA WBR, 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, OT, 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, sr2, dcr, k25, kdc,

- cr2, crw, nef, mrw, 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

Printing Protocols: LPR, CIFS, AppleTalk

- Synology Packages

 Mail Station

 Squeezebox Server

 Webalizer

 phpMyAdmin

 Time Backup

iPhone and And oid Applications

- DS photo+DS audio

DS cam

Utilities

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

- File System
 EXT4
 EXT3

General Specifications

FAT32 (External Disk Only) ¹⁰
 NTFS (External Disk Only)¹¹

- NITD (External LISK Only)*
 Volume Management
 Synology Hybrid RAID
 Max ISCSI Target / LUN: 10 / 10
 Max ISCSI Target / LUN: 10 / 10
 NAID (See Basic, JBOD, RAID 0, RAID 1, RAID 5, RAID 5+Spare, RAID 6, RAID 10, RAID 11, RAID 5H, SPARE RAID 5+Spare, RAID 5 To RAID 5, RAID 11 to RAID 5, RAID 11 to RAID 5+Spare, RAID 5 to RAID 6
 Expand RAID 1, RAID 5, RAID 5+Spare or RAID 6 with

Larger Hard Drives File Sharing Capability

- Max User Account: 1024
 Max Group: 256
- Max Shared Folder: 256
- Max Concurrent Connections (SAMBA, FTP, AFP): 128

Windows Access Control List (ACL) Support 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 3 or Apple Time Machine backup application)
- Time Backup (Synology package)
- 3rd-Party Backup Supp

- Security
 FTP over SSL/TLS
 P Auto-Block
- Firewall
- Encrypted Network Backup over Rsynd
 HTTPS Connection

- Management
 DSM Upgrade
 Email Notification
 SMS Notification
 Customized User Quota
- DDNS Support
- IPv6 Support PPPoE
- Resource Monitor
- RESOUTCE MUNICUI
 UPS Management
 Scheduled Power On/Off
 Custom Management UI HTTP/HTTPS Ports
 System Temperature Display
- · Welcome Note
- Assembling Kit
 AC Power Adapter
 AC Power Cord
- 2M RJ-45 LAN Cable

PC / Mac / Linux

- The actual capacity will differ according to volume types.

 Measured with 4 Seagate 750GB ST3750640NS hard drive. The figures could vary on different environments.

 1 free license to install 1 IP camera. Additional licenses can be purchased to expand the license quota. User can click and download the following video formats: RM, RMVB, VOB, RV30, RV40, AC3, AMR, WMA3, but not able to play it

HDD Management HDD Hibernation S.M.A.R.T.

- Dynamic Bad Sector Mapping

Synology Assistant Synology Download Redirector Synology Data Replicator

- **Support 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, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portruguese Brazil, Portruguese European, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish

Environment and Packaging

Environment

- RoHS Compliant
- Package Content
 DS411j Main Unit
 Installation DVD
- Hard drive not included.
 Wireless dongles not included. Please check http://www.synology.com/ for supported wireless dongles.
 Fully loaded with Seagate ITB \$31100052045 hard drive(s) in operation; Two G.R.A.5. Type 40AE microphones, each set up at 1 meter away from the DisKstoin front and rear Background noise: 17.2 dB/A); Temperature: 23.6°C; Humidity; 58.2%.

- in Photo Station as compressed Flash video.

 8. The music in VMV and Alf Format can be streamed, but the metadata Exe: title, albumi may not be indexed on the Titunes.

 9. For Mac users, DS411] supports PostScript USB printers only.

 10. Primary partition only.

 11. Primary partition only.

Stereo System

Optional Accessories

Remote Camera License Pack

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 custome service to satisfy the needs of businesses, home offices, individual users and families.

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descriptions at anytime, without notice

http://www.synology.com

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

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

North & South America

Networking



IP Camera

TV