

# Synology DiskStation DS212j

Budget-friendly 2-bay NAS Server for Small Office and Home Use



**Synology DiskStation DS212j is designed to provide a solution of file storage and sharing with data protection for your home environment with low power consumption, quiet operation and reliability. Running on DiskStation Manager (DSM) operating system, it delivers ease of use and variety of features.**

## Highlights

- 24/7 Power-Saving Download Server
- DLNA Certified Media Server
- Effortless Backup
- Anywhere Access
- Power-saving with only 17.6 Watts in Operation
- Running on Synology DiskStation Manager (DSM)

## Multimedia Center at Home

DS212j brings your home innovative and enjoyable multimedia entertainment. Enjoy sound and sensation while enriching your life with personal online albums and blog services. Your social life just gets better. The iPad, iPhone and Android App, DS audio, allows DiskStation users to stream music stored on DiskStation with their mobile devices where Internet access is available.

Media Server allows you to stream multimedia files with an UPnP Digital Media Adapter (DMA) to a stereo system or a TV-set. Sony PlayStation 3 and Microsoft Xbox 360 are also supported.

iTunes Server is an easy way to share music with other iTunes clients over the network. You can use iTunes as a multimedia player to browse and play Music stored on your Synology DiskStation.

## Your 24x7 Download Server

Download Station functions as a 24x7 BT, FTP, HTTP, eMule, and NZB download center without a PC. The eMule & torrent search engine allows search-n-download capability without installing additional desktop applications.

RSS feed feature will bring the latest updates directly to you. You can subscribe multiple RSS feeds to follow all your favorite download lists, and your download experience is entirely automated.

## Back Up Your Precious Data

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

Server backup includes several alternatives: Local Backup and Network Backup. You can backup data in shared folders or sub-folders and choose between incremental backup options or other flexible scheduling choices. All can be easily configured with a step-by-step wizard to make it simple to create an automated backup solution.

## Build Your Personal Cloud

With Synology DS212j, you can centralize all the data and files and share with your family members within local network. If you found this way of managing files particularly useful and interesting, you can have your own personal cloud so the sharing coverage can be extended to the Internet.

The EZ-Internet wizard guides you through all the steps necessary to establish remote Internet access to your Synology DS212j. You will be allowed to remote access your DS212j anywhere within minutes, and it is just that easy.

## Anywhere Access

Manage your files on your Synology DS212j with File Browser which provides easy file navigation on your desktop, allowing you to move or copy files without boundaries. You can easily copy, move, delete, rename, upload or download files from Synology DS212j with the help of File Browser.

For users who are always on the move, Synology provides a handy app, DS file for the users of iPhone, iPad and Android phones. Anything stored on Synology DS212j can now be accessed remotely using DS file via the Internet.

## Share your Memories to Friends

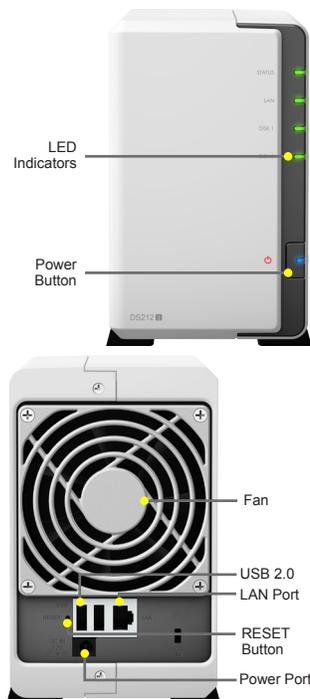
Photo Station simplifies photo, video, and blog sharing to the public. The photo theme personalization, blog, user privilege settings make Photo Station your state-of-the-art lifestyle sharing center on the Internet. Photo Station syncs the album automatically to Facebook, so it is now even more closely intertwined with your social life.

## Energy Efficient Design

Synology DS212j comes with the brand new hardware design with energy efficiency in mind. Not only does it provide a 92x92 mm fan and the better airflow to keep the system running cool 24/7, its noise cancellation mechanism make it really quiet compared to PC counterparts. Synology DS212j consumes only 17.6 watts in operation and its unique Scheduled Power On/Off feature lowered the power consumption to minimum.

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: 1.2GHz
- 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 100mm X 225.5mm
- External Storage Interface: USB 2.0 X 2
- Weight: 0.94Kg

- 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: 17.6W (Access); 5.5W (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): 5 (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, mrv, 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, mrv, 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

#### Printer Server

- Max Printer #: 2
- Printing Protocols: LPR, CIFS, AppleTalk, Apple AirPrint, Google Cloud Print (For Mac users, DS212j 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 #: 512
- Max Group #: 128
- Max Shared Folder #: 256
- Max Concurrent Connections # (SAMB, FTP, AFP): 64

### 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

## 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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## Environment and Packaging

### Environment

- RoHS Compliant

### Package Content

- DS212j 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 WD30EZR5 hard drives. The figures could vary on different environments.

## Networking

