# Synology®

# DiskStation DS216j

Synology® DiskStation DS216j is a 2-bay NAS server which perfectly fits home and personal users to build your own personal cloud. Simple yet powerful, Synology DS216j offers you a new experience of effortless data sharing, multimedia streaming, and cloud synchronization under its neat and sleek appearance. Synology DS216j is backed with Synology's 2-year limited warranty.

## Highlights

- **A versatile personal cloud storage for everyday life**
- **Dual-core CPU with hardware encryption engine**
- **Over 112.75 MB/s reading, 97.6 MB/s writing[1]**
- **Brightness adjustable front LED indicators**
- **Easy-to-use, web-based operating system on all browsers**
- **Everywhere access with iOS/Android™/Windows ready mobile apps**
- **An integrated DLNA media server supporting multimedia streaming**

## Versatile Personal Cloud for Day-to-Day Life

Synology DS216j is a 2-bay, dual-core CPU NAS specifically designed for home and personal users, standing out to be one of the best values in 2-bay NAS servers available today. DS216j delivers over **112.75 MB/s reading** and **97.6 MB/s writing** under RAID1 configuration in a Windows® environment.[1] Equipped with hardware encryption engine, DS216j offloads the encryption calculation tasks from the main CPU.

The **dual USB 3.0 ports** provide transfer rates 10 times higher than USB 2.0. DS216j comes with the front LED indicators allowing adjustable brightness to 4 levels; the brightness can be automatically changed on a customized schedule. Powerful yet efficient, the low power comsumption of 14.85 watts during access and 6.95 watts during hibernation makes DS216j an eco-friendly NAS, reducing the operating expense. Running on Synology DiskStation Manager, DS216j delivers an abundance of feature-rich applications, making your daily life more convenient than ever.

## Cross-Platform File Sharing

Synology DS216j supports comprehensive network protocols, ensuring a seamless file sharing experience across Windows, Mac®, and Linux® platforms. Windows AD and LDAP integration allows DS216j to fit quickly and effortlessly into any existing network environment without the necessity to recreate user accounts. **Cloud Sync** keeps your Dropbox, Google™ Drive, Microsoft OneDrive, Baidu and Box storage in sync with your personal DiskStation at home. The **Cloud Station Suite** allows you to sync files among multiple devices — Windows PC, Mac, Linux, iOS or Android™ tablets/phones — effortlessly keeping everything up-to-date. While you enjoy the seamless file sharing, all the file sharing over the Internet is protected at a high security level with the HTTPS, firewall, and IP auto-block mechanisms supported by DS216j.

## DLNA-Certified Media Server

As a certified **DLNA DMS** (Digital Media Server), DS216j serves as a ready media server with the capability to host digital multimedia contents for remote playback. DLNA-compliant devices can access the shared contents on DS216j in the same local area network without fussing over privilege settings. DS216j not only makes your multimedia files accessible without preconfiguration, but also transforms your mobile device into a remote control through Synology mobile apps. Movies, photos, and music can be immediately streamed to your TV or players, right from the palm of your hand.

**Cross-platform File Synchronization**

Auto-synchronize your files among DiskStation, PC and mobile devices using Synology Cloud Station.



**Wireless Multimedia Streaming**

DS216j turns your living room into a multimedia entertainment center.



**Anytime Availability**

Access your DiskStation anywhere using Synology mobile apps.

## Your Well-Rounded Multimedia Center

DS216j comes with abundant tools for you to manage your multimedia files with ease and convenience. **Photo Station**'s intuitive design allows you to effortlessly organize photos into customized categories, smart albums, and blog posts. With a few clicks, you can share your unique photos to popular social networking websites, from Facebook, Twitter, Flickr, to Weibo. **Audio Station** comes with a built-in lyrics plugin, Internet radio, and support for DLNA, AirPlay®, and Bluetooth speakers for quality playback. With **Video Station**, you can watch movies and TV shows online and record your favorite programs with a DVB-T, DVB-S or DTMB tuner.

## Anywhere/Anytime Availability

**QuickConnect** and **EZ-Internet** configure your DS216j for easy, effortless access over the Internet. Combined with Synology mobile apps, DS216j offers you anywhere, anytime access to your heart's content. With **DS photo**, **DS audio**, and **DS video** you can enjoy anywhere access to your multimedia files; with **DS download**, **DS file**, and **DS cloud**, you can experience seamless file download, access, and synchronization.

## Running on Synology DiskStation Manager (DSM)

**Synology DiskStation Manager** (DSM) is a web-based operating system tailor-made for every Synology NAS. Featuring an intuitive multitasking user interface, DSM provides destop-like experience to minimize effort in exploring and managing the DiskStation.

The built-in **Package Center** allows you to download and install a variety of packages on demand, ranging from backup, multimedia, business, security and utilities.

With all the built-in and add-on features, DSM provides you with complete and fine-grained control of your DS216j, helping you maximize productivity and make the best out of of your digital assets.
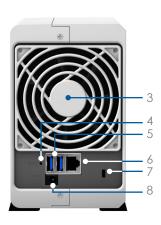
## Energy-efficient with Cool and Quiet Design

DS216j is designed with energy efficiency in mind. It comes with a 92 X 92 mm fan providing smart airflow to keep the system running cool 24/7, and the noise-dampening design makes it ultra-quiet compared with the PC counterparts. The hard drive hibernation feature 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 its responsibility as a global citizen to continually work in reducing the environmental impact of every product produced.

# Connections & Buttons

| | |
|---|---|
| 1 | LED indicator |
| 2 | Power button |
| 3 | Fan |
| 4 | Reset button |
| 5 | USB 3.0 Port |
| 6 | Gigabit (RJ-45) LAN port |
| 7 | Kensington Security Slot |
| 8 | Power port |

# Technical Specifications

## Hardware

| | |
|---|---|
| CPU | Marvell Armada 385 88F6820 dual-core 1.0GHz |
| Hardware encryption engine | Yes |
| Floating point unit | Yes |
| RAM size | DDR3 512MB |
| Compatible drive type | 3.5" or 2.5" SATA III/II x 2 (hard drives not included) |
| Max internal raw capacity | 16TB (8TB x 2 hard drives) (The actual capacity will differ according to volume types) |
| External ports | USB 3.0 port x 2 |
| Size (HxWxD) | 165mm x 100mm x 225.5mm |
| Weight | 0.88kg |
| LAN | Gigabit (RJ-45) x 1 |
| Wireless support | Yes (wireless dongles not included) |
| Wake on LAN/WAN | Yes |
| AC input power voltage | 100V to 240V |
| Operating temperature | 5°C to 40°C (40°F to 104°F) |
| Storage temperature | -20°C to 60°C (-5°F to 140°F) |
| Relative humidity | 5% to 95% RH |

## General

| | |
|---|---|
| Networking protocols | CIFS, AFP, NFS, FTP, WebDAV, CalDAV, iSCSI, Telnet, SSH, SNMP, VPN (PPTP, OpenVPN™, L2TP) |
| File system | Internal: ext4<br>External: ext4, ext3, FAT, NTFS, HFS+ (read only) |
| Storage management | Max File System Size: 16TB, Max Internal Volume #: 256, Maximum iSCSI Target: 10, Maximum iSCSI LUN: 10 |
| Supported RAID type | Synology Hybrid RAID (SHR), Basic, JBOD, RAID 0, RAID 1 |
| File sharing capability | Maximum user account: 1024, Maximum group: 256, Maximum shared folder: 256<br>Maximum concurrent CIFS/AFP/FTP/File Station connection: 128 |
| Privilege | Windows Access Control List (ACL) |
| Directory service | Windows ADS Domain Integration, LDAP Integration |
| Security | FTP over SSL/TLS, IP Auto-Block, Firewall, Encrypted Network Backup over Rsync, HTTPS Connection |
| Utilities | Synology Web Assistant, Synology Assistant, Cloud Station, Photo Station Uploader, Evidence Integrity Authenticator |
| Supported clients | Windows XP onwards, Mac OS X® 10.7 onwards, Ubuntu 12 onwards |
| Support browsers | Chrome™, Firefox®, Internet Explorer®: 8 onwards, Safari® 7 onwards, Safari (iOS® 7 onwards on iPad®), Chrome (Android 4.0 onwards on tablets) |
| 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 |

# Applications

| | |
|---|---|
| File Station | Virtual drive, remote folder, Windows ACL editor, compress/extract archived files, bandwidth control for specific users or groups, create sharing links, transfer logs |
| Backup Solutions | Network backup; local backup; desktop backup; configuration backup; OS X Time Machine; backup data to public cloud; shared folder sync - maximum task number: 2 |
| Mail Server | Supported Mail Server protocols: POP3, SMTP, IMAP, support LDAP/AD account |
| FTP Server | Bandwidth control for TCP connections, custom FTP passive port range, anonymous FTP, FTP SSL/TLS and SFTP protocols, boot over the network with TFTP and PXE support, transfer logs |
| Web Station | Virtual host (up to 30 websites), PHP/MariaDB®, 3rd-party applications support |
| Printer Server | Maximum printer: 2, printing protocols: LPR, CIFS, IPP, iOS printing, Google Cloud Print™, multi functional print server (MFP functions are for Windows PC only) |
| Storage Analyzer | Volume and quota usage, total size of files, volume usage and trends based on past usage, size of shared folders, largest/most/least frequently modified files |
| Security Advisor | Malware detection/removal, user account/password, network, system-related security scan |
| Log Center | SSL connection, log rotation: 6 months, 1 year, 2 years, 3 years, email notification |
| iOS/Android applications | DS cloud, DS file, DS finder, DS cam, DS note, DS audio, DS download, DS photo, DS video |
| Windows phone® applications | DS file, DS finder, DS audio, DS download, DS photo, DS video |

# Add-on Packages

| | |
|---|---|
| Surveillance Station | Maximum IP camera: 10 (total of 300 FPS at 720p, H.264) (Including two free camera licenses. Procurement of additional licenses is required.) |
| VPN Server | Maximum connections: 5, supported VPN protocols: PPTP, OpenVPN, L2TP |
| Mail Station | Webmail interface for Mail Server; receiving mails from multiple POP3 mailboxes, customizable SMTP server |
| Antivirus Essential | Full system scan, scheduled scan, white list customization, virus definition auto update |
| Cloud Station | Maximum concurrent file transfers: 128, retain historical and deleted file versions |
| Cloud Sync | One or two-way synchronization with public cloud storage providers including Amazon Cloud Drive, Amazon S3-compatible storage, Baiduyun, Box, Dropbox, Google Cloud Storage, Google Drive, hubiC, Megafon Disk, Microsoft OneDrive, OpenStack Swift-compatible storage, WebDAV servers, Yandex Disk |
| DLNA/UPnP® Media Server | DLNA certified, PS3 ®/PS4®/Xbox 360®/Xbox One® support |
| Download Station | Supported download protocols: BT/HTTP/FTP/NZB/eMule Maximum concurrent download tasks : 30 |
| Note Station | Rich-text note organization with versioning, encryption, sharing, media embedding and attachments |
| Other packages | Photo Station, Audio Station, iTunes® Server, 3rd-party packages |

# Environment and Packaging

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|---|---|
| Environment | RoHS Compliant |
| Package content | DS216j main unit, Welcome note, accessory pack, AC power adapter, AC power cord, RJ-45 LAN cable |
| Optional accessories | Camera License Pack, 2.5" Disk Holder type C, VS360HD |
| Warranty | 2 years |

*Model specifications are subject to change without notice. Please refer to www.synology.com for the latest information.

1. Performance may vary depending on the environment.

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