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 operating system on any browsers**
- **Everywhere access with iOS/ Android™/Windows ready mobile apps**
- **Multimedia streaming out of the integrated DLNA media server**

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 up to an average **112.75 MB/s reading** and **97.6 MB/s writing** under RAID1 configuration in a Windows® environment.[1] Equipped with hardware encryption engine, encryption calculation tasks are offloaded away from the main CPU.

The **dual USB 3.0 ports** provide transfer rates 10 times higher than USB 2.0. The front LED indicators brightness has 4 level of intensity which can be adjusted, a customized schedule can also be set up to apply the adjusted front LED brightness. Powerful yet efficient, the low power comsumption of 14.85 watts during access and 6.95 watts during hibernation makes DS216j a 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 Synology 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. **Cloud Station** suit allows users to sync files among multiple devices, no matter it's 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 through the HTTPS, firewall, and IP auto-block that 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. Not only does it make your multimedia bank available without any preconfiguration, Synology mobile apps transform your mobile device into a remote control of your DS216j, sending movies and photos to your TV or music to your speaker right from the palm of your hand.
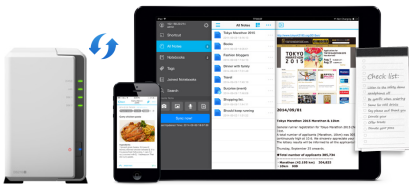
Cross-platform File Synchronization

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 Multimedia Center Full of Joy

With DS216j, you have abundant of tools to easily manage your multimedia data. **Photo Station**'s intuitive design allows you to effortlessly organize photos into customized categories, smart albums, and blog posts; as well as link them to social networking websites like Facebook, Twitter, Flickr, and Weibo with just a few clicks. **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 accessing over the Internet with minimal effort. Combined with Synology's mobile apps for every popular feature, including **DS photo**, **DS audio**, and **DS video** for anywhere multimedia access, **DS download**, **DS file**, and **DS cloud** for seamless file download/access/synchronization, you can enjoy your NAS anywhere, any time.

Runs on Synology DiskStation Manager (DSM)

Synology DiskStation Manager (DSM) is a web-based operating system tailor-made for 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.
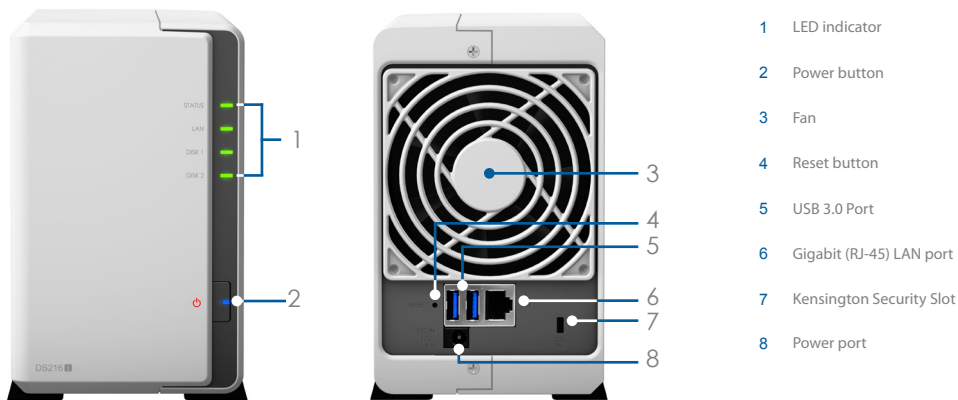
With all the built-in and add-on features, DSM provides you with complete and fine-grained control of your DS216j, helping you maximize productivity and make the best out of of your digital assets.

Energy-efficient with Cool and Quiet Design

Synology DS216j is designed with energy efficiency in mind. Not only does it provide a 92 X 92 mm fan and smart airflow to keep the system running cool 24/7, its noise dampening design makes it really quiet compared to 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

#	Label
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 drive) (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℃ to 40℃ (40°F to 104°F)
Storage temperature	-20℃ to 60℃ (-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 External: ext4, ext3, FAT, NTFS, HFS+ (read only)
Storage management	Max File System Size: 16TB, Max Internal Volume #: 256
Supported RAID type	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 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

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.

SYNOLOGY INC.

Synology is dedicated to taking full advantage of the latest technologies to bring businesses and home users reliable and affordable ways to centralize data storage, simplify data backup, share and sync files across different platforms, and access data on-the-go. Synology aims to deliver products with forward-thinking features and the best in class customer services.

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