



## DiskStation DS216

Synology DiskStation DS216 is a feature-rich 2-bay NAS server for workgroups and office environments, specifically designed for users who need to share and protect data effectively, while increasing productivity with comprehensive office applications. Synology DS216 is backed with Synology's 2-year limited warranty.

### Highlights

- Dual-core CPU with hardware encryption engine
- Over 111.18 MB/s reading, 112.79 MB/s writing<sup>1</sup>
- USB Copy Button for easy data transmission
- Brightness adjustable front LED indicators
- Hot-swappable & tool-less drive trays design
- Running on Synology DiskStation Manager (DSM)

### Optimal Price/Performance Ratio

Synology DS216 is a 2-bay NAS that brings you the best cost/value ratio without compromising performance or features. Equipped with a dual-core CPU, Synology DS216 delivers outstanding read/write performance with an average speed over **111.18 MB/s in reading and over 112.79 MB/s in writing** under RAID 1 configuration in a Windows® environment.<sup>1</sup>

The built-in floating-point unit enhances the overall capability of the main CPU, speeding up thumbnail processing and hence making your photo viewing experience refreshingly smooth. Synology DS216 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.

### Cross Platform File Sharing and Synchronization

Synology DS216 offers comprehensive network protocol support, assuring seamless file sharing across Windows, Mac®, and Linux® platforms. Windows AD and LDAP integration allows Synology DS216 to fit quickly and effortlessly into any existing network environment, with no need to recreate user accounts. Internet file access is simplified by the encrypted FTP server and the web-based file explorer, Synology **File Station**. HTTPS, firewall, and IP auto-block support ensure file sharing over the Internet is protected at a high security level.

**Cloud Station** suit allows users to synchronize files among multiple devices and platforms, including Windows PC, Mac, Linux, iOS and Android™ tablets or phones, effortlessly keeping everything up-to-date. **Cloud Sync** keeps your Dropbox, Google™ Drive, Microsoft OneDrive, Baidu Cloud and Box storage in sync with your personal DiskStation at home.



### Cross-platform File Synchronization

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



### Anytime Availability

Access your DiskStation anywhere using Synology mobile apps.

## Rich Office Applications

Synology DS216 runs on the award-winning operating system, **Synology DiskStation Manager (DSM)**, which offers comprehensive applications and features designed specifically for growing businesses.

**Mail Server** turns Synology DS216 into a dedicated mail service provider, while **Mail Station** provides a webmail interface for users to access emails stored on Synology DS216.

**VPN Server** offers an easy VPN solution that provides a secure way of connecting to a private LAN at a remote location. **RADIUS Server** strengthens network security by overseeing wireless access authentication via RADIUS (Remote Authentication Dial-In User Service) networking protocol.

## Reliable Backup Solution

To protect your valuable data, DS216 can become a centralized backup destination for consolidating fragmented and unstructured information across your network through a range of options. Advanced backup privilege management makes network backup tasks safer and more efficient. Complete backup solutions such as **Backup & Restore** minimize the impact of disasters, keeping your valuable data safe and secure.

## 24/7 Security Solution

Synology **Surveillance Station** offers a centralized interface to manage IP cameras deployed in your office or home, allowing users traveling miles away to safeguard the environment by watching live views, recording events, and taking snapshots with a computer or iOS/Android device. DS216 supports a maximum number of **16 IP cameras (480 FPS at 720P)**, being one of the most reliable security guards for your home and office.

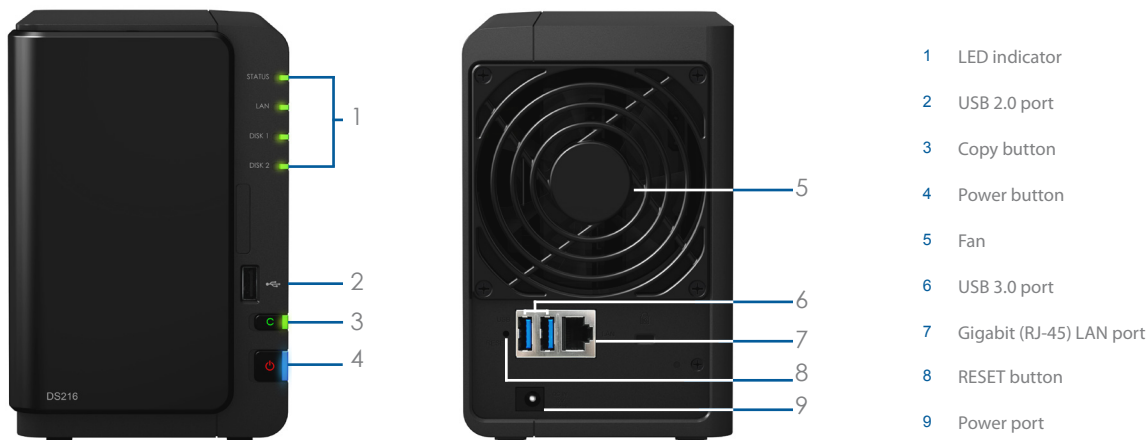
In addition to its intuitive setup and hassle-free interface, Surveillance Station features an optimized live view experience with on-screen operations, smart analytic tools like motion detection, and an alert system that sends instant notification through **DS cam**, SMS, and e-mail.

## Energy Efficient with Cool and Quiet Design

Synology DS216 is designed with energy efficiency in mind. Equipped with a 92 x 92 mm fan and a smart airflow design, DS216 runs cool 24/7, while its noise dampening design makes it much quieter compared with PC counterparts. The support of Wake on LAN/WAN, multiple scheduled power on/off 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



- 1 LED indicator
- 2 USB 2.0 port
- 3 Copy button
- 4 Power button
- 5 Fan
- 6 USB 3.0 port
- 7 Gigabit (RJ-45) LAN port
- 8 RESET button
- 9 Power port

## Technical Specifications

### Hardware

CPU	Marvell Armada 88F6820 dual-core 1.3GHz
Floating point unit	Yes
Hardware encryption engine	Yes
RAM size	DDR3 512MB
Compatible drive type	3.5"/2.5" SATA III/II x 2 (hard drives not included)
Maximum internal capacity	16TB (2 x 8TB hard drive) (The actual capacity will differ according to volume types.)
Maximum single volume size	16TB
Hot swappable HDD	Yes
External ports	USB 3.0 port x 2, USB 2.0 port x 1
Size (HxWxD)	165mm x 108mm x 233.2mm
Weight	1.3kg
LAN	Gigabit(RJ-45) x 1
Wireless support	Yes (wireless dongles not included)
Wake on LAN/WAN	Yes
Scheduled power on/off	Yes
AC input power voltage	100V to 240V
Power frequency	50Hz to 60Hz, single phase
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 External: ext4, ext3, FAT, NTFS, HFS+ (read only)
Storage management	Max File System Size: 16TB, Max Internal Volume #: 256, Max iSCSI Target #: 10, Max iSCSI LUN#: 10, Supported RAID Type: Basic, JBOD, RAID 0, RAID 1
File sharing capability	Maximum user account: 2048, 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
Supported 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/MySQL®, 3rd-Party Applications Support
Printer Server	Max 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
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	Default IP cam #: 2, MAX IP cam # (licenses required): 16 (total of 480 FPS at 720P, H.264) (Including two free camera licenses. Procurement of additional licenses is required.)
VPN Server	Maximum Connections: 5, VPN Method: 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 compliant, PS3®/PS4®/Xbox 360®/Xbox One® support
Download Station	Supported Download Protocols: BT/HTTP/FTP/NZB/eMule Maximum Concurrent Download Tasks: 30
Other Packages	Photo Station, Audio Station, Video Station, iTunes® Server, 3rd-Party Packages

## Environment and Packaging

Environment	RoHS Compliant
Package content	DS216 main unit, Welcome note, accessory pack, AC power cord, AC power adapter, RJ-45 LAN cable
Optional accessories	Camera License Pack, VS360HD
Warranty	2 Years

\*Model specifications are subject to change without notice. Please refer to [www.synology.com](http://www.synology.com) for the latest information.

1. The performance figures could vary on different environments.

### 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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