



## DiskStation DS216se

Synology DiskStation DS216se is a budget-friendly two-bay NAS device with the capability to host, share and protect data. Sharing the variety of packages in DSM Package Center, DS216se helps beginners explore the infinite possibilities of Synology NAS. Synology DS216se is backed with Synology's 2-year limited warranty.

### Highlights

- Floating point unit enabled for multimedia processing
- Affordable 2-Bay personal cloud for file sharing & backup
- Consumes only 5.12W in hibernation
- Scheduled power on/off further reduces energy consumption
- DLNA®-Certified media server
- Running on Synology DiskStation Manager (DSM)

### Choice NAS for Everyone

Centering on the core features of NAS devices, Synology DS216se provides handy and effective network storage under budget. Not only does DS216se centralize and back up your digital contents, it makes **cross-platform** and **cross-device sharing** effortless.

DS216se delivers an average **102 MB/s reading** speed under RAID 1 configuration in a Windows® environment, and over **59 MB/s writing**.<sup>1</sup> The built-in floating-point unit enhances the overall capability of the main CPU, and is particularly advantageous in speeding up thumbnail processing, making photo viewing a refreshingly new experience.

Equipped with Synology's full multimedia applications, DS216se is also an ideal solution for users looking for entertainment and download center, providing easy and energy-efficient download service as well as multimedia streaming capabilities. With Synology's rich cloud applications, DS216se serves as your personal cloud whose content is available anywhere on demand.

### Easy Setup and Management

**Web Assistant** is a web-based utility to make every DiskStation as easy to install as possible. Installation is done inside your existing web browser by setting up all vital system components in few simple steps. Combined with a quick start widget, users can simultaneously tour the DSM operating system and set it up to use right away.

For users unfamiliar with complicated router configurations or those who simply want to save time, **Synology EZ-Internet Wizard** simplifies the process of setting up access to DS216se from the Internet by walking through all of network settings including firewall, port-forwarding, PPPoE setup and DDNS registration. **Synology Hybrid RAID** allows you to reach maximum use of your hard drive while keeping your storage safe with data redundancy.

### Certified DLNA Media Server

As a fully certified DLNA DMS (Digital Media Server), DS216se serves also as a ready media server with the capability to host digital multimedia contents for remote playback. Once connected to a wireless router, DS216se is set to stream music, photos and videos to DLNA-compliant devices without any pre-configuration, thus enabling users to enjoy their collection on larger screens or with quality speakers. Synology even makes it possible for users to browse and select DiskStation contents using **DS audio** - a handy mobile app - to designate a DLNA player within the same local network to play it.



### Anytime Availability

Access your DiskStation anywhere using Synology mobile apps.

## Anywhere/Anytime Availability

**QuickConnect** and **EZ-Internet** configure your DS216se for accessing over the Internet with minimal effort. **Cloud Station** allows users to sync files among multiple devices, including Windows PC, Mac®, Linux®, iOS and Android tablets or phones, effortlessly keeping everything up-to-date. 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.

## 24/7 Security Solution

Synology **Surveillance Station** offers a centralized interface to manage IP cameras deployed in your home, allowing users traveling miles away to safeguard the environment by watching live views, recording events, and taking snapshots with a computer or mobile device. DS216se is an ideal entry-level surveillance solution as it is capable of hosting up to **5 IP cameras** (50 FPS at 720p). In addition to its intuitive setup and hassle-free interface, Surveillance Station features an optimized live view experience with on-screen operations, smart analytics tools like motion detection, and an alert system that sends instant notification through **DS cam**, SMS, and e-mail.

## Running on Synology DiskStation Manager (DSM)

Synology DiskStation Manager (DSM) is a web-based OS that provides private cloud service. It is designed to make your everyday living easier. The **multi-tasking web UI** allows you to run multiple applications simultaneously on one browser tab and switch between them instantly. The simple interface allows you to obtain and configure storage capacity with minimal friction. It provides you with complete control of your personal cloud and lets you access it anywhere.

The built-in **Package Center** allows you to download and install the packages designed specifically for your unique needs, whether it's sharing files on the cloud, sharing photos on an online album, or setting up a VPN environment. All will happen with just a few clicks.

## Energy Efficient Design

Synology DS216se is designed with energy efficiency in mind. Compared with its average PC counterpart, Synology DS216se consumes relatively little power at 13.73 watts while accessing and 5.12 watts when hard drive hibernation is enabled. The scheduled power on/off feature further reduces power consumption and operation cost.

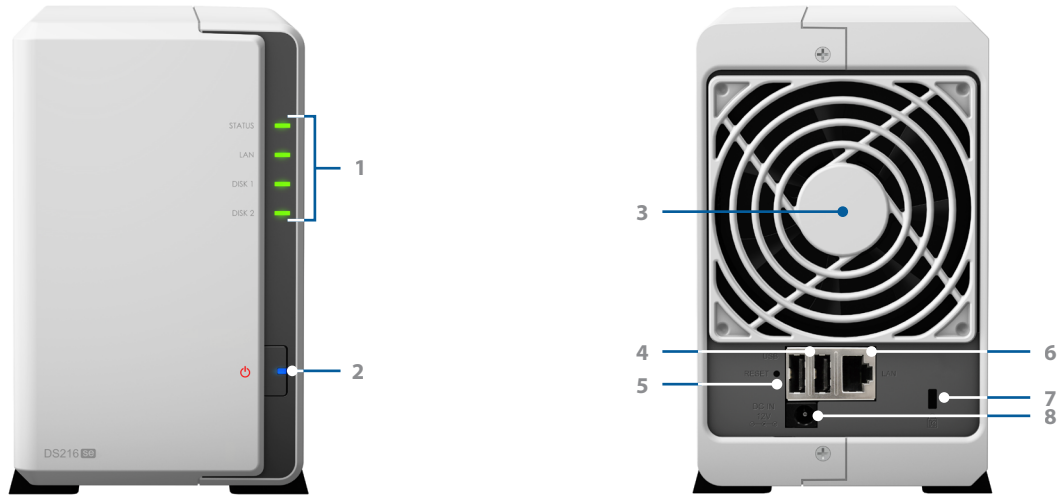
All Synology products are produced with RoHS compliant parts and packed with recyclable packing materials. Synology acknowledges the responsibility as a global citizen to continually work to reduce the environmental impact of every product produced.



### Cross-platform File Synchronization

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

# Connections & Buttons



1	LED indicator	2	Power button	3	Fan	4	USB 2.0 port
5	Reset button	6	LAN port	7	Kensington Security Slot	8	Power port

## Technical Specifications

### Hardware

CPU	Marvell Armada 370 800MHz
Floating point unit	Yes
Hardware encryption engine	Yes
RAM size	DDR3 256MB
Compatible drive type	3.5"/2.5" SATA III/II x 2 (Hard drives not included. Disk holders are required for 2.5" drives.)
Maximum internal raw capacity	16TB (8TB HDD x 2) (The actual capacity will differ according to volume types.)
External ports	USB 2.0 port x 2
Size (HxWxD)	165 mm x 100 mm x 225.5 mm
Weight	870g
LAN	Gigabit (RJ-45) x 1
Wireless support	Yes (wireless dongles not included)
Scheduled Power on/off	Yes
AC input power voltage	100V to 240V AC
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, Telnet, SSH, SNMP, VPN (PPTP, OpenVPN™, L2TP)
File system	Internal: ext4 External: ext4, ext3, FAT, NTFS, HFS+ (read only)
Storage management	Maximum single volume size: 16TB, Maximum internal volume: 256
Supported RAID type	Synology Hybrid RAID (SHR), Basic, JBOD, RAID 0, RAID 1
File sharing capability	Maximum user account: 512, Maximum group: 128, Maximum shared folder: 256, Maximum concurrent CIFS/AFP/FTP/File Station connection: 64
Privilege	Windows Access Control List (ACL)
Directory service	Windows AD Integration: Domain Users login via Samba (CIFS)/AFP/FTP/File Station, 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
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/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 #: 5 (total of 50 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
Cloud Station	Maximum concurrent file transfers: 64, 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
Note Station	Rich-text note organization with versioning, encryption, sharing, media embedding and attachments
Download Station	Supported download protocols: BT/HTTP/FTP/NZB/eMule Maximum concurrent download task: 20
Other packages	Photo Station, Audio Station, iTunes® Server, 3rd-party packages

## Environment and Packaging

Environment	RoHS Compliant
Package content	DS216se main unit, Welcome note, accessory pack, AC power adapter, RJ-45 LAN cable
Optional accessories	Camera License Pack, VS360HD, Disk Holder (Type C)
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. 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.

Copyright © 2015, Synology Inc. All rights reserved. Synology, the Synology logo are trademarks or registered trademarks of Synology Inc. Other product and company names mentioned herein may be trademarks of their respective companies. Synology may make changes to specification and product descriptions at anytime, without notice. Printed in Taiwan.

DS216se-2015-ENU-REV001

#### Headquarters

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

#### China

Synology Shanghai  
20070, Room 516, No. 638,  
Hengfeng Rd., Zhabei Dist.,  
Shanghai, China

#### France

Synology France SARL  
39 rue Louis Blanc,  
92400 Courbevoie, France  
Tel: +33 1 47 176288

#### North & South America

Synology America Corp.  
3535 Factoria Blvd SE #200,  
Bellevue, WA 98006, USA  
Tel: +1 425 818 1587

#### United Kingdom

Synology UK Ltd.  
Unit C, Denbigh West Business Park,  
Third Avenue, Blechley,  
Milton Keynes, MK1 1DH, UK  
Tel: +44 1908 366380

#### Germany

Synology GmbH  
Grafenberger Allee 125  
40237 Düsseldorf  
Deutschland  
Tel: +49 211 9666 9666