



DiskStation DS416slim

Synology® DiskStation DS416slim is the most compact personal cloud bringing you seamless multimedia streaming for more fun and effortless file sharing, while optimizing your space utilization. Small yet feature-rich, DS416slim is equipped with the award winning operating system: Synology DiskStation Manager. Synology DS416slim is backed with Synology's 2-year limited warranty.

Highlights

- **Small footprint, feature-rich personal cloud storage designed for 2.5" drives**
- **Dual-core CPU with hardware encryption engine**
- **Dual LAN with link aggregation support**
- **Over 170.23 MB/s reading, 77.62 MB/s writing¹**
- **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**

Incredibly Small NAS With Great Performance

Synology DS416slim is a palm sized 4-bay NAS with only 0.66kg in weight and measures 120mm x 105mm x 142mm, fulfilling your need for a personal cloud without taking up too much space. Despite its compact appearance, DS416slim makes no compromise on performance. DS416slim is powered by a **dual-core CPU** with **hardware encryption engine** and built-in **floating point unit** support. Under RAID 5 configuration in a Windows® environment, DS416slim delivers up to an average **170.23 MB/s in reading** and **77.62 MB/s in writing** through **Link Aggregation**, while delivering an average speed of **112.77 MB/s in reading** and **78.81 MB/s in writing** through single Gigabit LAN.¹

The **Dual Gigabit LAN** with failover support ensures continual service uptime in the event of unexpected LAN failure, while the **hot-swappable drive tray** allows you to replace the hard drives without powering off DS416slim. Designed for easy replacement, the system fan can be quickly swapped, so the average time to repair can be significantly reduced. DS416slim comes with **dual USB 3.0 ports**, each on the front and rear panel, providing fast and convenient data transfer and backup to external storage devices. Running on Synology's award-winning **DiskStation Manager (DSM)** operating system, DS416slim shares a rich reservoir of applications available in DSM **Package Center**.

Cross Platform File Sharing

Synology DS416slim supports comprehensive network protocols, ensuring a seamless file sharing experience across Windows, Mac®, and Linux® platforms. **Windows AD and LDAP integration** allows Synology DS416slim 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 DS416slim.



Cross-platform File Synchronization

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

Reliable Backup Solution

To protect your valuable data, DS416slim 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.

Your Personal Multimedia Bank

DS416slim helps you easily manage your multimedia contents and share them across Windows, Mac®, and Linux® platforms. With **Video Station**, you can organize your digital video library with comprehensive media information, watch movies and films, or record your favorite TV programs with a DVB-T/DVB-S stick. **Photo Station**'s intuitive design allows you to effortlessly organize photos into customized categories, smart albums and blog posts, and link them to social networking websites within a few clicks. **Audio Station** comes with built-in lyrics plugin, Internet radio and lossless audio formats support and provides music playback via DLNA, AirPlay®, and Bluetooth devices (A Bluetooth dongle is required).

Anywhere/Anytime Availability

No matter what browser you're using, Synology offers handy features of **QuickConnect** and **EZ-Internet**, letting you enjoy accessing to the Internet with minimum 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 the content and data in your NAS anywhere, anytime.



Anytime Availability

Access your DiskStation anywhere using Synology mobile apps.

Energy Efficient and Easy Management Design

Synology DS416slim is designed and developed with energy efficiency in mind. Compared with the average storage server counterparts, DS416slim consumes only 17.17 watts in regular operation. The support of Wake on LAN/WAN and scheduled power on and off can further reduce power consumption and operation cost. HDD hibernation can be configured to take effect automatically when the system has been inactive for a specified period of time. This not only saves energy but also extends the lifespan of the hard disks.

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 | Power button | 3 | USB 3.0 port | 4 | Drive tray |
| 5 | Kensington Security Slot | 6 | Reset button | 7 | Power port | 8 | Gigabit (RJ-45) LAN port |

Technical Specifications

Hardware

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|-------------------------------|---|
| CPU | Marvell Armada 385 88F6820 dual-core 1.0GHz |
| Floating point unit | Yes |
| Hardware encryption engine | Yes |
| RAM size | DDR3 512MB |
| Compatible drive type | 2.5" SATA III/II x 4 (hard drives not included) |
| Maximum internal raw capacity | 8TB (2TB HDD x 4) (actual capacity dependent on volume types) |
| External ports | USB 3.0 port x 2 |
| Size (HxWxD) | 120mm x 105 mm x 142 mm |
| Weight | 0.66 kg |
| LAN | Gigabit (RJ-45) x 2 |
| 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

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|-------------------------|--|
| 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 | Maximum single volume size: 16TB, Maximum internal volume: 256, Maximum iSCSI Target: 10, Maximum iSCSI LUN: 10 |
| Supported RAID type | Synology Hybrid RAID (SHR), Basic, JBOD, RAID 0, RAID 1, RAID 5, RAID 6, RAID 10 |
| 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 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 Assistant, Cloud Station, Synology Cloud Sync Decryption Tool, Evidence Integrity Authenticator, 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, Česky, 日本語, 한국어, 繁體中文, 简体中文 |

Applications

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|-----------------------------|---|
| 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

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|-------------------------|---|
| Surveillance Station | Maximum IP camera: 8 (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 |
| 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: 30 |
| Other packages | Photo Station, Audio Station, iTunes® Server, 3rd-party packages |

Environment and Packaging

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|----------------------|--|
| Environment | RoHS Compliant |
| Package content | DS416slim main unit, Welcome note, accessory pack, AC power adapter, RJ-45 LAN cable x 2 |
| Optional accessories | Camera License Pack, VS360HD |
| Warranty | 2 Years |

*Model specifications are subject to change without notice. Please refer to 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.

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