



DiskStation DS216+

Fulfill your needs for safe data storage and ultra high definition video sharing with Synology DiskStation DS216+. Powered by a new dual-core CPU from Intel®, DS216+ comes with hardware-accelerated data encryption and real-time transcoding of 4K Ultra HD source content. Synology DiskStation DS216+ is backed with Synology's 2-year limited warranty.

Highlights

- Dual-core CPU with AES-NI hardware encryption engine
- Encryption performance at over 113 MB/s reading, 109 MB/s writing¹
- Advanced Btrfs file system with built-in data integrity check
- Single H.264 4K or triple Full HD video transcoding on the fly²
- Hot-swappable drive tray design for easy installation & maintenance
- Brightness-adjustable front LED with schedule control
- A versatile storage server for small offices

Safeguard Your Data with Great Performance

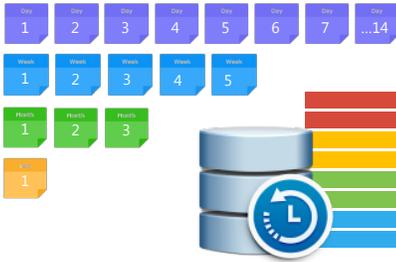
Synology DiskStation DS216+ is designed for small offices pursuing a compact yet powerful shared storage solution. Powered by an **Intel® Celeron® dual-core CPU**, built-in **AES-NI hardware encryption engine** and 1GB DDR3 RAM, DS216+ delivers up to an average **111 MB/s reading and writing** speed, and an encrypted data transmission at over **113 MB/s reading and 109 MB/s writing¹** under RAID 1 configuration in a Windows® environment.

DS216+ comes with a front **USB 3.0 port** with **USB copy button** for fast and easy data transmission. **Hot-swappable drive tray** design allows easy installation and maintenance on 3.5-inch HDDs without additional tools. **Brightness-adjustable front LED with schedule control** provides flexible LED settings that best suit your environment.

Btrfs: Next Generation Storage Efficiency

DS216+ introduces the **Btrfs file system**, bringing the most advanced storage technologies to meet the management needs of modern businesses:

- **Built-in data integrity check** detects data and file system corruption with data and meta-data checksums and improve overall stability.
- **Flexible Shared Folder/User Quota System** provides comprehensive quota control on all user accounts and shared folders.
- **Advanced snapshot technology** with customizable backup schedule allows up to **64 copies** of shared folder backups in a minimum **5-minute interval** without occupying huge storage capacity and system resources.
- **File or folder level data restoration** brings huge convenience and saves time for users who wish to restore only a specific single file or folder.
- **Cloud Station with file versioning** reduces down to half of storage consumption when compared with the Ext4 file system.



Next Generation Storage Efficiency

The Btrfs file system brings storage management to the next level by providing more efficient storage utilization, scheduled shared folder snapshot, and file / folder-level data restoration.



4K Ultra HD Multimedia Bank

Real-time H.264 4K video transcoding provides hassle-free high quality video playback among various devices.

Comprehensive Business Applications

Powered by the innovative Synology DiskStation Manager (DSM), DS216+ comes fully-equipped with business applications and features:

- Easy integration with existing business network environments through **Windows® AD** and **LDAP** directory services without recreating user accounts.
- **Windows ACL** support provides fine-grained access control and efficient privilege settings, allowing DS216+ to fit seamlessly into current infrastructure.
- **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 turns your Synology DS216+ into a VPN server, providing 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.

4K Ultra HD Multimedia Bank

Synology DiskStation DS216+ features real-time H.264 **1-channel 4K Ultra HD** or **3-channel Full HD²** video transcoding, bringing more complete support to the latest multimedia file formats and contents. With **Video Station**, you can organize personal digital video library with comprehensive media information, watch 4K Ultra HD movies and films, or record 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 Internet radio and lossless audio formats support and provides music playback via DLNA, AirPlay®, and Bluetooth devices (a Bluetooth dongle is required).

Easy Backup Solutions

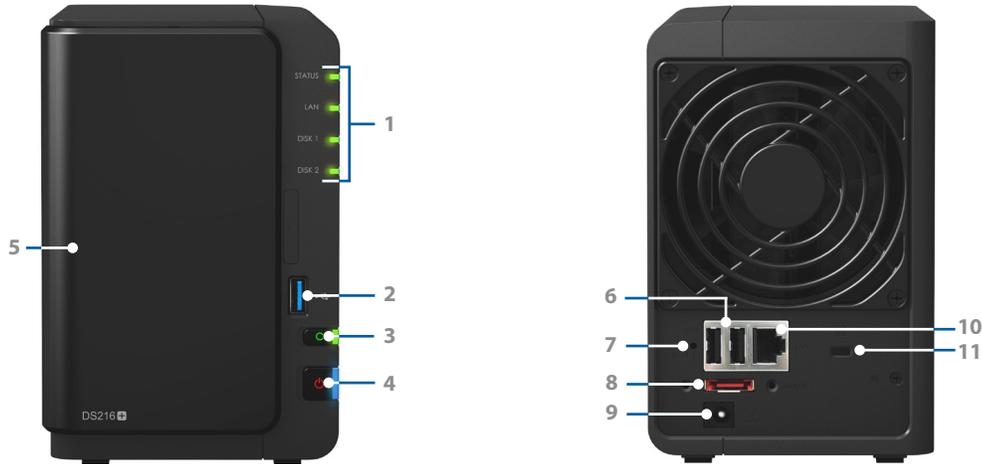
To protect your valuable data, DS216+ can become a centralized backup destination for consolidating fragmented and unstructured information across your network through a range of options. Advanced backup privilege management makes network backup tasks safer and more efficient. **Cloud Station** with selective sync and ACL control provides real-time data backup and synchronization among multiple computers and mobile devices. Complete backup solutions such as **Backup & Replication** minimize the impact of disasters.

Energy Efficient and Easy Management Design

Synology DS216+ is designed and developed with energy efficiency in mind. Compared with the average storage server counterparts, DS216+ consumes only 17.57W 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 | USB 3.0 port | 3 | USB copy button | 4 | Power button |
| 5 | Drive tray cover | 6 | USB 2.0 port | 7 | Reset button | 8 | eSATA port |
| 9 | Power port | 10 | LAN (RJ-45) port | 11 | Kensington Security Slot | | |

Technical Specifications

Hardware

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|-------------------------------|--|
| CPU | Intel Celeron N3050 dual-core 1.6GHz, burst up to 2.16GHz |
| Floating point unit | Yes |
| Hardware encryption engine | Yes (AES-NI) |
| Hardware transcoding engine | Supported codec: H.264 (AVC), MPEG-2 and VC-1; maximum resolution: 4K (4096 x 2160); maximum frame rate per second (FPS): 30 |
| RAM size | DDR3 1GB |
| Compatible drive type | 3.5"/2.5" SATA III/II x 2 (hard drives not included) |
| Maximum internal raw capacity | 16TB (8TB HDD x 2) (actual capacity dependent on volume types) |
| External ports | USB 3.0 port x 1, USB 2.0 port x 2, eSATA port x 1 |
| Size (HxWxD) | 165 mm x 108 mm x 233.2 mm |
| Weight | 1.25 kg |
| 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

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|-------------------------|--|
| Networking protocols | CIFS, AFP, NFS, FTP, WebDAV, CalDAV, iSCSI, Telnet, SSH, SNMP, VPN (PPTP, OpenVPN™, L2TP) |
| File system | Internal: Btrfs, ext4 External: Btrfs, ext4, ext3, FAT, NTFS, HFS+ |
| Storage management | Maximum single volume size: 108TB, Maximum internal volume: 256, Maximum iSCSI Target: 32, Maximum iSCSI LUN: 256 |
| Supported RAID type | Synology Hybrid RAID (SHR), 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: 256 |
| 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, Snapshot Manager for VMware, Snapshot Manager for Windows, NFS Plug-in for VMware VAAI |

| | |
|--------------------|---|
| 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: 4 |
| 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: 25 (total of 750 FPS at 720p, H.264) (Including two free camera licenses. Procurement of additional licenses is required.) |
| VPN Server | Maximum connections: 20; 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: 256, 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: 80 |
| Other packages | Photo Station, Audio Station, iTunes® Server, 3rd-party packages |

Environment and Packaging

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|----------------------|---|
| Environment | RoHS Compliant |
| Package content | DS216+ main unit, Welcome note, accessory pack, 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 for the latest information.

1. Tested with four different client computers. Performance figures could vary on different environments.
2. DS216+ can transcode 4K video to 1080p or lower. The concurrent channels of Full HD video transcoding may vary depending on the video codec, resolution, bitrate and FPS.

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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