



## DiskStation DS216+II

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

### Highlights

- Dual-core CPU with AES-NI hardware encryption engine
- Encryption performance at over 113.01 MB/s reading, 111.66 MB/s writing<sup>1</sup>
- Advanced Btrfs file system with built-in data integrity check
- Single H.264 4K or triple Full HD video transcoding on the fly<sup>2</sup>
- 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+II 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+II delivers up to an average **113.08 MB/s reading** and **111.78 MB/s writing** speed, and an encrypted data transmission at over **113.01 MB/s reading** and **111.66 MB/s writing**<sup>1</sup> under RAID 1 configuration in a Windows® environment.

DS216+II 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+II 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 **256 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+II 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+II to fit seamlessly into current infrastructure.
- 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 with a high level of security.
- **Synology Cloud Station** allows users to sync files among multiple devices, including Windows PC, Mac, Linux, iOS and Android tablets or smart phones, effortlessly keeping everything up-to-date.

## 4K Ultra HD Multimedia Bank

Synology DiskStation DS216+II features real-time H.264 **1-channel 4K Ultra HD** or **3-channel Full HD<sup>2</sup>** 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

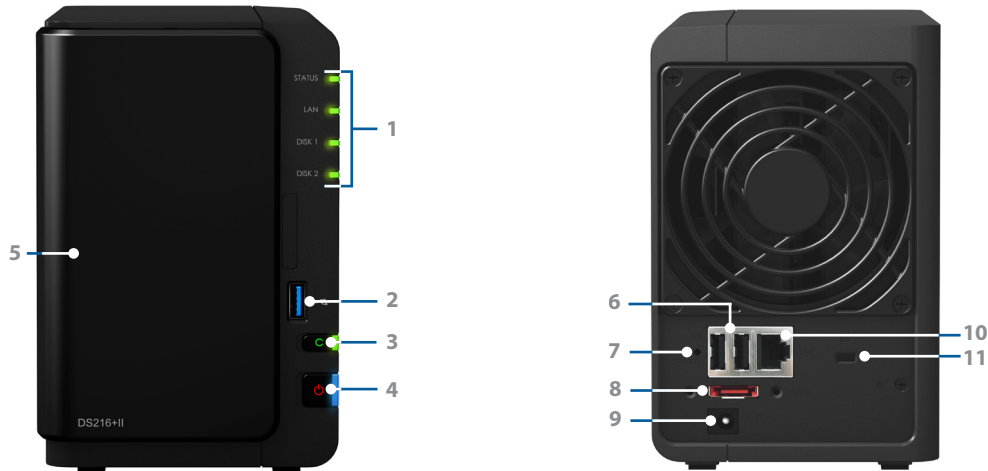
With block-level incremental backup and cross-version deduplication, **Synology Hyper Backup** provides multi-version backup with optimized storage utilization and allows multiple backup destinations to local shared folders, external hard drives, network shared folders, rsync server, and public cloud services. Synology **High Availability Manager** ensures seamless transition between clustered servers in the event of server failure with minimal impact to applications to decrease the risk of unexpected interruptions and costly downtime.

## Energy Efficient and Easy Management Design

Synology DS216+II is designed and developed with energy efficiency in mind. Compared with the average storage server counterparts, DS216+II consumes only 17.4W 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

CPU	Intel Celeron N3060 dual-core 1.6GHz, burst up to 2.48GHz
Hardware encryption engine	Yes (AES-NI)
Floating point unit	Yes
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

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 Web Assistant, Cloud Station Drive, Cloud Station Backup, 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 7 onwards and Mac OS X® 10.10 onwards
Supported browsers	Chrome™, Firefox®, Internet Explorer® 9 onwards, Safari® 8 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: 4
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
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)
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

Antivirus Essential	Full system scan, scheduled scan, white list customization, virus definition auto update
Cloud Station Server	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
Download Station	Supported download protocols: BT/HTTP/FTP/NZB/eMule Maximum concurrent download task: 80
Log Center	SSL connection, log rotation: 6 months, 1 year, 2 years, 3 years, email notification
Mail Station	Webmail interface for Mail Server; receiving mails from multiple POP3 mailboxes, customizable SMTP server
Mail Server	Supported Mail Server protocols: POP3, SMTP, IMAP, support LDAP/AD account
Note Station	Rich-text note organization with versioning, encryption, sharing, media embedding and attachments
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
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
Web Station	Virtual host (up to 30 websites), PHP/MariaDB®, 3rd-party applications support
Other packages	Photo Station, Audio Station, iTunes® Server, 3rd-party packages

## Environment and Packaging

Environment	RoHS Compliant
Package content	DS216+II 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](http://www.synology.com) for the latest information.

1. Tested with four different client computers. Performance figures could vary on different environments.

2. DS216+II 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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