

# DiskStation DS418j



Synology DiskStation DS418j is a 4-bay NAS server designed for home and personal users to effectively manage, protect and share data. Its new 64-bit dual-core processor provides large-capacity storage volume support for flexible data management. Synology DS418j is backed by Synology's 2-year limited warranty.

## Ideal Companion for Your Own Cloud

Synology DS418j is a powerful entry-level 4-bay network attached storage solution equipped with a **64-bit dual-core 1.4 GHz processor** and **1GB RAM**, delivering sequential reading throughput at over **112 MB/s** and writing throughput at over **108 MB/s**, and an encrypted sequential data transmission at over **112 MB/s reading** and **87 MB/s writing**<sup>1</sup>. The great combination of the **64-bit hardware** and **DiskStation Manager (DSM)** allows DS418j to take advantage of large-capacity HDDs for flexible storage volume management as well as efficient file sharing and data backup.

## Cross-Platform File Sharing and Data Synchronization

Synology DS418j supports comprehensive network protocols, ensuring a seamless file sharing experience across Windows®, Mac®, and Linux® platforms. **Windows AD** and **LDAP** integration allows DS418j 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 Cloud, and Box storages in sync with your personal DiskStation at home. The **Cloud Station Suite** enables you to sync files among multiple devices — Windows PC, Mac, Linux, iOS or Android™ tablets/ phones — easily keeping everything up-to-date. All the seamless file sharing over the Internet is protected at a high security level with the HTTPS, firewall, and IP auto-block mechanisms supported by DS418j.

## 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 data backup to multiple destinations - local shared folders, external hard drives, network shared folders, rsync servers, and public cloud services.

## Highlights

- Powerful entry-level 4-bay NAS for home and personal usage
- 64-bit dual-core 1.4GHz processor
- 1 GB DDR4 memory, twice the size of its predecessor
- Over 112 MB/s sequential reading throughput and 108 MB/s sequential writing throughput<sup>1</sup>
- Over 112 MB/s encrypted sequential reading throughput and 87 MB/s encrypted sequential writing throughput<sup>1</sup>
- Over 40 TB raw single volume capacity
- Supports up to 16 IP cameras
- Brightness adjustable front LED indicators

## 24/7 Security Solution

Synology **Surveillance Station** offers a centralized interface to manage IP cameras deployed in your workplace, allowing users traveling miles away to safeguard their environments by watching live views, recording events, and taking snapshots with computers or mobile devices. DS418j is an ideal surveillance solution as it is capable of hosting up to **16 IP cameras (480FPS 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 analytic tools like motion detection, and an alert system that sends instant notification through **DS cam**, SMS, and e-mail.

## Anywhere/Anytime Availability

Synology provides mobile applications that allow you to enjoy the full variety of your multimedia library over the Internet on the go. Available on iOS, Android™ and Windows Phone® platforms, **DS photo**, **DS audio**, **DS video** and **DS file** mobilize your **Photo Station**, **Audio Station**, **Video Station** and **File Station** by placing terabytes of multimedia content at your fingertips. What's more, **DS get** makes it possible for you to manage and monitor your download tasks remotely anywhere, anytime.

## Energy Efficient with Cool and Quiet Design

Synology DS418j is designed with energy efficiency in mind. Compared with its average PC counterpart, Synology DS418j consumes relatively little power at 21.22 watts while accessing and 8.97 watts when hard drive hibernation is enabled. The scheduled power on/off feature further reduces power consumption and operation cost.

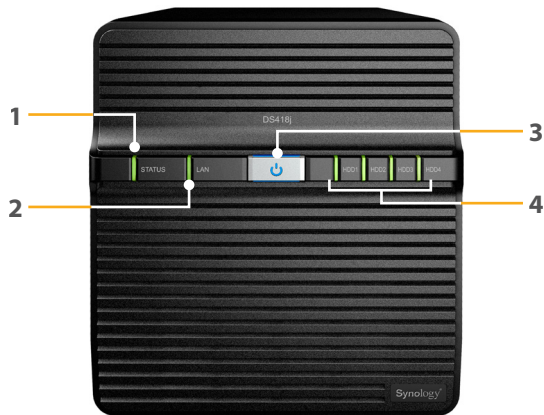


### Effective Sync & Backup Solution

Synology DS418j can serve as a centralized backup destination, allowing you to back up files from multiple devices via Cloud Station Backup

## Hardware Overview

Front



Rear



1	Status indicator	2	LAN indicator	3	Power button and indicator	4	Drive status indicator
5	1GbE RJ-45 port	6	Power port	7	Kensington Security Slot	8	Fan
9	USB 3.0 port	10	Reset button				

## Technical Specifications

### Hardware

CPU	Realtek RTD1293 dual-core 1.4GHz
Hardware encryption engine	Yes
Memory	1 GB DDR4
Compatible drive type	4 x 3.5" or 2.5" SATA HDD/SSD (drives not included)
External port	2 x USB 3.0 port
Size (HxWxD)	184 x 168 x 230 mm
Weight	2.21 kg
LAN	1 x 1GbE (RJ-45)
Wake on LAN/WAN	Yes
Scheduled power on/off	Yes
System fan	2 (80 x 80 mm)
AC input power voltage	100V to 240V AC
Power frequency	50/60Hz, 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
Maximum operating altitude	5,000 m (16,400 ft)

### General DSM specification

Networking protocol	SMB, AFP, NFS, FTP, WebDAV, CalDAV, iSCSI, Telnet, SSH, SNMP, VPN (PPTP, OpenVPN™, L2TP)
File system	<ul style="list-style-type: none"> <li>Internal: ext4</li> <li>External: ext4, ext3, FAT, NTFS, HFS+, exFAT<sup>2</sup></li> </ul>
Supported RAID type	Synology Hybrid RAID (SHR), Basic, JBOD, RAID 0, RAID 1, RAID 5, RAID 6, RAID 10
Storage management	<ul style="list-style-type: none"> <li>Maximum internal volume: 256</li> <li>Maximum iSCSI target: 10</li> <li>Maximum iSCSI LUN: 10</li> </ul>
File sharing capability	<ul style="list-style-type: none"> <li>Maximum local user account: 1,024</li> <li>Maximum local group: 256</li> <li>Maximum shared folder: 256</li> <li>Maximum concurrent SMB/NFS/AFP/FTP connection: 100</li> </ul>

Privilege	Windows Access Control List (ACL), application privileges
Directory service	Windows® AD integration: Domain users login via SMB/NFS/AFP/FTP/File Station, LDAP integration
Security	Firewall, encryption shared folder, SMB encryption, FTP over SSL/TLS, SFTP, rsync over SSH, login auto block, Let's Encrypt support, HTTPS (customizable cipher suite)
Supported client	Windows 7 and 10, Mac OS X® 10.11 onwards
Supported browser	Chrome®, Firefox®, Internet Explorer® 10 onwards, Safari® 10 onwards; Safari (iOS 10 onwards), Chrome (Android™ 6.0 onwards)
Interface 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

## Packages and Applications

File Station	Virtual drives, remote folders, Windows ACL editor, compressing/extracting archived files, bandwidth control for specific users/groups, creating sharing links, transfer logs
FTP Server	Bandwidth control for TCP connections, custom FTP passive port range, anonymous FTP, FTP SSL/TLS and SFTP protocol, boot over the network with TFTP and PXE support, transfer logs
Universal Search	Offer global search into applications and files
Hyper Backup	Support local backup, network backup, and data backup to public clouds
Backup tool	DSM configuration backup, macOS Time Machine support, Cloud Station Backup Shared folder sync - maximum task number: 2
Cloud Station Suite	Sync data between multiple platforms by installing the client utilities on Windows, Mac, Linux, Android and iOS devices, while retaining up to 32 historical versions of files Maximum concurrent file transfer: 100
Cloud Sync	One or two-way synchronization with public cloud storage providers including Amazon Drive, Amazon S3-compatible storage, Baidu cloud, Box, Dropbox, Google Cloud Storage, Google Drive, hubiC, MegaDisk, Microsoft OneDrive, OpenStack Swift-compatible storage, WebDAV servers, Yandex Disk
Surveillance Station	Maximum IP camera: 16 (total of 480 FPS at 720p, H.264) (including two free camera licenses; additional cameras require the purchasing of additional licenses)
VPN Server	Maximum connection: 5, supported VPN protocol: PPTP, OpenVPN™, L2TP/IPSec
Mail Server	Supported Mail Server protocol: POP3, SMTP, IMAP, support LDAP/AD account
Mail Station	Webmail interface for Mail Server to receive emails from multiple POP3 mailboxes, customizable SMTP server
Collaboration Suite	<ul style="list-style-type: none"> <li>• Chat maximum user: 10</li> <li>• Office maximum user: 10, maximum simultaneous editing user: 10</li> <li>• Calendar: support CalDAV and access via mobile devices</li> </ul>
Note Station	Rich-text note organization and 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
Security Advisor	Malware detection/removal, user account/password, network, system-related security scan
Antivirus Essential	Full system scan, scheduled scan, white list customization, virus definition auto update
Download Station	Supported download protocol: BT, HTTP, FTP, NZB, eMule, Thunder, FlashGet, QQDL Maximum concurrent download task: 30
Web Station	Virtual host (up to 30 websites), PHP/MariaDB®, third-party application support
Other packages	Video Station, Photo Station, Audio Station, DNS Server, RADIUS Server, iTunes® Server, Log Center, third-party packages available on Package Center
iOS/Android™ applications	DS audio, DS cam, DS cloud, DS file, DS finder, DS get, DS note, DS photo, DS video
Windows Phone® applications	DS audio, DS file, DS finder, DS get, DS photo, DS video

## Environment and Packaging

Environment safety	RoHS compliant
Package content	<ul style="list-style-type: none"> <li>• DS418j main unit</li> <li>• Quick Installation Guide</li> <li>• Accessory pack</li> <li>• AC power adapter and power cord</li> <li>• RJ-45 LAN cable</li> </ul>
Optional accessories	<ul style="list-style-type: none"> <li>• Synology Surveillance Video Decoder VS360HD</li> <li>• Surveillance Device License Pack</li> </ul>
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 may vary depending on environment, usage, and configuration.
2. exFAT Access is purchased separately in Package Center.

## **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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