DiskStation
DS218j

Synology DiskStation DS218j is a 2-bay NAS server which perfectly fits home and personal users to build your own personal cloud. Simple yet powerful, Synology DS218j offers effortless data sharing, multimedia streaming, and cloud synchronization. Synology DS218j is backed by Synology's 2-year limited warranty.

Versatile 24/7 Personal Cloud Solution

Synology DS218j is a 2-bay, entry-level NAS specifically designed for home and personal users. Powered by a dual-core processor, DS218j delivers excellent sequential throughput at over **113 MB/s reading** and **112 MB/s writing** under RAID1 configuration in a Windows® environment[1]. With the help of the built-in hardware encryption engine, DS218j delivers encrypted data throughput at over **105 MB/s** reading and **58 MB/s** writing[1].

DS218j comes with front LED indicators with automatic brightness schedule control for reducing possible visual interference during night time. DS218j consumes only **17.48 watts** during access and **7.03 watts** during HDD hibernation, which is power-efficient and budget friendly to serve as a 24/7 personal storage server.

Cross-Platform File Sharing

Synology DS218j supports comprehensive network protocols, ensuring a seamless file sharing experience across Windows, Mac®, and Linux® platforms. **Windows AD** and **LDAP** integration allow DS218j to fit quickly and effortlessly into any existing network environment without the necessity to create identical user accounts. **Cloud Sync** keeps your Dropbox, Google™ Drive, Microsoft OneDrive, Baidu and Box storage in sync with your personal DiskStation at home. The **Cloud Station Suite** allows you to sync files among multiple devices — Windows PC, Mac, Linux, iOS or Android™ tablets/phones — effortlessly keeping everything up-to-date. DS218j combines seamless file sharing capability with enhanced security, even over the internet with HTTPS, built-in firewall, and multiple IP and account intrusion auto-blocking mechanisms.

Highlights

- A versatile entry-level 2-bay NAS for home and personal cloud storage
- Over 113 MB/s reading, 112 MB/s writing[1]
- Dual-core CPU with hardware encryption engine
- Everywhere access with iOS/Android™/Windows ready mobile apps
- An integrated media server supporting multimedia streaming
- Running on Synology DiskStation Manager (DSM)

Your Well-Rounded Multimedia Center

With various tools supported by DS218j, managing your multimedia content has never been easier. **Photo Station**'s intuitive design allows you to effortlessly organize photos into customized categories, smart albums, and blog posts; as well as link them to social networking websites like Facebook, Twitter, Flickr, and Weibo with just a few clicks. **Audio Station** comes with a built-in lyrics plugin, Internet radios, and support for DLNA® and AirPlay® speakers for quality playback. With **Video Station**, you can watch movies and TV shows online or directly through the DS video app on Apple TV.

Anywhere/Anytime Availability

Synology provides mobile applications that allow you to enjoy your multimedia library even when on the go. Available on iOS, Android™ and Windows Phone® platforms, **DS photo**, **DS audio**, **DS video**, and **DS file** enable access to your Synology NAS through Photo Station, Audio Station, Video Station, and File Station. What's more, you can use **DS get** to remotely manage and monitor download tasks on Download Station.

QuickConnect allows you to connect via a simple customizable address so that you can instantly access media and work files on any Windows/Mac/Linux computer, laptop, or mobile device.

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.

Running on Synology DiskStation Manager (DSM)

Synology DiskStation Manager (DSM) is a web-based operating system tailor-made for every Synology NAS. Featuring an intuitive multitasking user interface, DSM provides simple destop-like experience to minimize effort in exploring and managing your Synology NAS.

The built-in **Package Center** allows you to download and install a variety of packages designed specifically for your unique needs, ranging from file backup, multimedia sharing , productivity tools, safeguard security and utilities.

With all the built-in and add-on features, DSM provides you with complete and fine-grained control of your DS218j, helping you maximize productivity and make the best out of of your digital assets. All will happen with just a few clicks.

Effective Sync & Backup Solution

Synology DS218j can serve as a centralized backup destination, allowing you to back up files from multiple devices via Cloud Station Backup
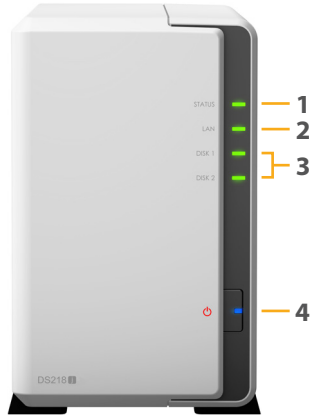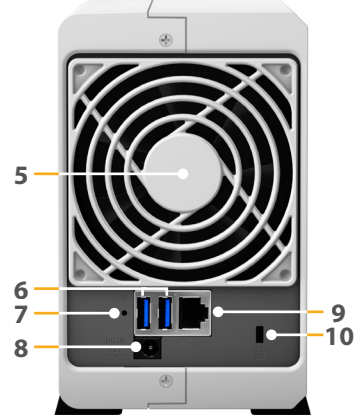

Multimedia Streaming

DS218j turns your living room into a multimedia entertainment center.

Hardware Overview

Front

Rear

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

Technical Specifications

Hardware

CPU	Marvell Armada 385 88F6820 dual-core 1.3GHz
Hardware encryption engine	Yes
Memory	DDR3 512MB
Compatible drive type	2 x 3.5" or 2.5" SATA HDD/SSD (drives not included)
External ports	2 x USB 3.0 port
Size (HxWxD)	165 x 100 x 225.5 mm
Weight	0.87 kg
LAN	Gigabit (RJ-45) x 1
Wake on LAN/WAN	Yes
Scheduled power on/off	Yes
System fan	92 x 92 x 25 mm
AC input power voltage	100V to 240V
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, Telnet, SSH, SNMP, VPN (PPTP, OpenVPN ™ , L2TP)
File system	• Internal: ext4 • External: ext4, ext3, FAT, NTFS, HFS+, exFAT²
Supported RAID type	Synology Hybrid RAID (SHR), Basic, JBOD, RAID 0, RAID 1
Storage management	• Maximum internal volume: 256 • Maximum iSCSI target: 10 • Maximum iSCSI LUN: 10
File sharing capability	• Maximum local user account: 1,024 • Maximum local group: 256 • Maximum shared folder: 256 • Maximum concurrent SMB/NFS/AFP/FTP connection: 100
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: 14 (total of 420 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	• Chat maximum user: 10 • Office maximum user: 10, maximum simultaneous editing user: 10 • Calendar: support CalDAV and access via mobile devices
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
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, additional 3rd-party packages are 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	• DS218j main unit • Quick Installation Guide • Accessory pack • AC power adapter and power cord • RJ-45 LAN cable
Optional accessories	• VisualStation VS360HD, VS960HD • Surveillance Device License Pack • 2.5" Disk Holder Type C
Warranty	2 years

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

DS218j-2017-ENU-REV001

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