

DiskStation

DS419slim



Meet Synology ultra-compact DiskStation DS419slim, a personal cloud that provides comprehensive smart home solution. The versatile packages that come with Synology DiskStation Manager (DSM) can not only simplify file management but also stream multimedia content smoothly. DS419slim delivers file sharing capabilities across multiple platforms while keeping files secure. DS419slim is backed by Synology's 2-year limited warranty.

Mini in Size, Rich in Features

Synology DS419slim is a 4-bay mini cube-shaped network-attached storage, perfect to serve as a personal cloud for home users. With the design of 2.5" drive support, DS419slim not only is ultralight but also lightens your workload. Powered by a **dual-core processor**, DS419slim delivers excellent sequential throughput at over **220 MB/s reading** and **94 MB/s writing** in **dual Gigabit Link Aggregation** environment¹.

DS419slim 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. DS419slim consumes only **20 watts** during data accessing and **7 watts** during HDD hibernation, which is power-efficient to serve as a 24/7 personal storage server. With the support of Synology **DiskStation Manager (DSM)**, a web-based and intuitive multitasking operating system, DS419slim is easy-to-use, and ready for you to enjoy home entertainment.

Cross-Platform File Sharing and Data Synchronization

Synology DS419slim supports comprehensive network protocols, ensuring a seamless file sharing experience across Windows, Mac®, and Linux® platforms. **Windows AD** and **LDAP** integration allows DS419slim to fit quickly and effortlessly into any existing network environment, without needing to create identical user accounts. **Synology Drive** allows you to sync files across Windows, macOS and Linux computer platforms, and access files on the go with mobile devices to keep information up-to-date and share files effortlessly. **Cloud Sync** keeps your Dropbox, Google™ Drive, Microsoft OneDrive, Baidu, and Box storage in sync with your personal DiskStation at home.

Highlights

- A 4-bay small footprint NAS for building smart home with 2.5" drive support
- Dual-core CPU with hardware encryption engine
- Over 220 MB/s reading, 94 MB/s writing through dual Gigabit Link Aggregation with failover support¹
- Effortless management of music, video and photos as personal multimedia library
- Anywhere access with iOS and Android™ ready mobile apps
- Running on Synology DiskStation Manager (DSM)

Easy Backup Solutions

Synology **Hyper Backup** provides multi-version backup with block-level incremental backup and cross-version deduplication. It optimizes storage utilization and allows data to be backed up to multiple destinations such as local shared folders, external hard drives, network shared folders, rsync servers, and public cloud services.

Your Personal Multimedia Library

DS419slim helps you easily manage your multimedia content and share it across Windows, macOS, and Linux platforms. With **Video Station**, you can organize your personal digital video library using comprehensive media information. **Audio Station** comes with Internet radio, lossless audio format support, and provides music playback via DLNA and AirPlay® devices. **Photo Station**'s intuitive design allows professional photographers to effortlessly organize photos into customized categories, smart albums, and link them to social media sites with just a few clicks. As a brand-new photo solution for personal and home use, **Synology Moments** promises users a modern browsing experience by offering mobile photo backup, photo sharing, image recognition and similar photo detection.

Available Anytime and Anywhere

Synology provides mobile applications for you to enjoy your multimedia library anytime and anywhere. Available on iOS and Android™ platforms, **DS photo**, **DS audio**, **DS video**, and **DS file** allow access to your Synology NAS respectively through **Photo Station**, **Audio Station**, **Video Station**, and **File Station**.

QuickConnect allows connection to your Synology NAS via a secure and customizable address, so that you can instantly access media and work files on any Windows, Mac, Linux computers, and mobile devices.

Easy Setup and Management

Web Assistant is a web-based utility designed for users to easily set up their Synology NAS. System installation is done with your existing web browser in just a few simple steps. It is combined with a quick start widget, allowing users to simultaneously explore the DSM operating system and complete basic system settings.

For users unfamiliar with router configurations, Synology **EZ-Internet Wizard** simplifies the process of setting up network access to DS419slim by guiding users through network settings such as firewall, port-forwarding, PPPoE setup, and DDNS registration.

Running on Synology DiskStation Manager (DSM)

DSM is a web-based operating system that provides private cloud services. It is designed to simplify your daily task management. The multitasking web interface allows you to run multiple applications simultaneously on one browser tab and instantly switch between them. The intuitive DSM allows you to effortlessly configure storage capacity, gives you complete control over your personal cloud, and lets you access your Synology NAS from anywhere. The built-in **Package Center** allows you to download and install the packages designed to satisfy different user needs, such as sharing files on the cloud, sharing photos on an online album, or setting up a VPN environment. Tasks can be done with just a few steps.



Robust File Syncing & Sharing Suite

With Synology Drive, Synology DS419slim can serve as a centralized file server, allowing files to be synced and accessed across platforms while enabling easy file sharing and management.



Personal Multimedia Bank

Real-time video streaming provides hassle-free and high-quality video playback among various devices.

Hardware Overview



1	Status indicator	2	Power indicator	3	Power button	4	LAN indicator
5	Drive status indicator	6	USB 3.0 port	7	Drive tray	8	USB 3.0 port
9	1GbE RJ-45 port	10	Reset button	11	Kensington Security Slot	12	Power port

Technical Specifications

Hardware

CPU	Marvell Armada 385 88F6820 dual-core 1.33GHz
Hardware encryption engine	Yes
Memory	512MB DDR3L
Compatible drive type	4 x 2.5" SATA HDD/SSD (drives not included)
Hot swappable drive	Yes
External port	2 x USB 3.0 port
Size (HxWxD)	120 x 105 x 142 mm
Weight	0.66 kg
LAN	2 x Gigabit (RJ-45)
Wake on LAN/WAN	Yes
Scheduled power on/off	Yes
System fan	1 (60 x 60 x 10 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"> Internal: ext4 External: ext4, ext3, FAT, NTFS, HFS+(read only), exFAT²
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"> Maximum single volume size: 16TB Maximum internal volume: 256
File sharing capability	<ul style="list-style-type: none"> Maximum local user accounts: 1,024 Maximum local groups: 256 Maximum shared folders: 256 Maximum concurrent SMB/NFS/AFP/FTP connections: 100

Privilege	Windows Access Control List (ACL), application privilege
Directory service	Windows® AD integration: Domain users login via SMB/NFS/AFP/FTP/File Station, LDAP integration
Security	Firewall, encrypted 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®, Edge®, Internet Explorer® 10 onwards, Safari® 10 onwards; Safari (iOS 10 onwards), Chrome (Android™ 6.0 onwards) on tablets
Interface language	English, Deutsch, Français, Italiano, Español, Dansk, Norsk, Svensk, Nederlands, Русский, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, Český, ភាសាខ្មែរ, 日本語, 한국어, 繁體中文, 简体中文

Packages and Applications

File Server & Synchronization	
Drive	Provide universal portal to synchronize your files across various platforms, including Windows, macOS, Linux, Android and iOS. The built-in universal portal allows you to access data anytime and anywhere. <ul style="list-style-type: none"> Maximum Number of Hosted Files: 100,000 Maximum Number of Concurrent Connections for PC Clients: 200
File Station	Virtual drive, remote folder, Windows ACL editor, compressing/extracting archived files, bandwidth control for specific users or 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
Cloud Sync	One or two-way synchronization with public cloud storage providers including Alibaba Cloud OSS, Amazon Drive, Amazon S3-compatible storage, Backblaze B2, Baidu Cloud, Box, Dropbox, Google Cloud Storage, Google Drive, hubiC, MegaDisk, Microsoft OneDrive, OpenStack Swift-compatible storage, Tencent COS, WebDAV servers, Yandex Disk
Universal Search	Offer global search into applications and files
Data Protection & Backup Solution	
Hyper Backup	Support local backup, network backup, and backup data to public clouds
Backup tools	DSM configuration backup, macOS Time Machine support, Synology Drive Client desktop application Shared folder sync - maximum task number: 2
Productivity & Collaboration	
Collaboration tools	Collaborate with instant message service Chat, online editor Office, and scheduling assistant Calendar <ul style="list-style-type: none"> Chat maximum user: 10 Office maximum user: 100 Calendar: support CalDAV and access via mobile devices
Note Station	Rich-text note organization and versioning, encryption, sharing, media embedding and attachments
Multimedia	
Moments	Support smart AI album with facial recognition, similar photo detection, and photo editing and sharing features. Mobile applications are available on iOS and Android devices.
Other packages	Video Station, Photo Station, Audio Station, iTunes® Server
Surveillance	
Surveillance Station	Maximum IP cameras: 8 (total of 240 FPS at 720p, H.264) (includes two free camera licenses; additional cameras require the purchasing of additional licenses)
All-in-One Server	
VPN Server	Maximum connection: 10, 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
Web Station	Virtual host (up to 30 websites), PHP/MariaDB®, 3rd-party applications support
Other packages	DNS Server, RADIUS Server, Log Center
Others	
Storage Analyzer	Volume and quota usage, total size of files, volume usage and trends based on past usage, size of shared folders, large files, most recently modified files, least recently accessed files
Antivirus Essential	Full system scan, scheduled scan, white list customization, virus definition auto update
iOS/Android™ applications	Synology Drive, DS audio, DS photo, DS video, DS cam, DS file, DS finder, DS note, Moments
Other packages	Additional 3rd-party packages available on Package Center

Environment and Packaging

Environment safety	RoHS compliant
Package content	<ul style="list-style-type: none">DS419slim main unitQuick Installation GuideAC power adapterRJ-45 LAN cable x 2
Optional accessories	<ul style="list-style-type: none">VisualStation VS360HD, VS960HDSurveillance Device License Pack
Warranty	2 years ³

*Model specifications are subject to change without notice. Please refer to www.synology.com for the latest information.

- Performance figures may vary depending on environment, usage, and configuration.
- exFAT Access is purchased separately in Package Center.
- The warranty period starts from the purchase date as stated on your purchase receipt. Visit <https://www.synology.com/company/legal/warranty> for more information.

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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