

DiskStation

DS418play



Synology DiskStation DS418play is a 4-bay NAS designed for ultra-high definition multimedia enthusiasts. Powered by a new dual-core processor, DS418play supports real-time transcoding for up to 2 channels of H.265/H.264 4K videos at the same time. AES-NI support ensures smooth encrypted data transfer and safeguards critical digital assets. Synology DS418play is backed by Synology's 2-year limited warranty.

Optimal Performance and Hardware Design

Synology DS418play is a 4-bay network attached storage solution equipped with an **dual-core** processor and **2GB DDR3L memory (expandable up to 6GB)**. With Link Aggregation enabled, DS418play delivers great sequential throughput performance at over **226 MB/s reading** and **220 MB/s writing**¹. With **AES-NI hardware accelerated encryption**, DS418play delivers encrypted data throughput at over **226 MB/s reading** and **185 MB/s writing**¹.

DS418play comes with two USB 3.0 ports for high-speed external storage exchange. The dual 1GbE ports support network failover to prevent unexpected LAN failure. Hot-swappable drive trays with tray locks ensure easy drive replacement and protect data security. Brightness-adjustable front LED with schedule control provides flexible LED settings that best suit your environment.

4K Ultra HD Multimedia Library

Synology DiskStation DS418play features real-time transcoding for up to **2 channels of H.264/H.265 4K videos** at the same time, bringing more powerful support to the latest multimedia formats and contents. With **Video Station**, you can organize personal digital video library with comprehensive media information, and watch 4K Ultra HD movies and films. The intuitive design of **Photo Station** 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 and AirPlay®-compliant devices.

Highlights

- Ideal 4-bay NAS as home multimedia center
- Encrypted sequential throughput at over 226 MB/s reading, 185 MB/s writing¹
- Dual-channel H.265/H.264 4K video transcoding on the fly²
- Dual-core processor with AES-NI hardware encryption engine
- 2GB DDR3L memory, up to 6GB
- Advanced Btrfs file system offering 65,000 system-wide snapshots and 1,024 snapshots per shared folder
- Anywhere access with iOS/Android™/Windows ready mobile apps

Anywhere/Anytime Availability

Synology provides various mobile applications allowing 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.

Btrfs: Next Generation Storage Efficiency

DS418play 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 the overall stability.
- **Flexible Shared Folder/User Quota System** provides comprehensive quota control over all user accounts and shared folders.
- **Advanced snapshot technology** with customizable backup schedule allows up to **1,024 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 conveniences and saves time for users who wish to restore only a specific file or folder.
- **File self-healing:** Btrfs file system can auto-detect corrupted files with mirrored metadata, and recover broken data using the supported RAID volumes, which include RAID1, 5, 6, and 10.

Effective Sync & Backup Solution

DS418play can serve as a centralized backup destination, making it easy to create your own private cloud. **Cloud Sync** keeps your Dropbox, Google Drive, Microsoft OneDrive, Baidu, and Box storages in sync with DS418play at home. **Cloud Station Suite** allows you to sync files among multiple devices, including Windows PC, Mac, Linux, and Android/iOS tablets and phones, effortlessly keeping everything up-to-date.

With block-level incremental backup and cross-version deduplication, Synology **Hyper Backup** provides multi-version backup with optimized storage utilization and allows back up to multiple destinations—local shared folders, external hard drives, network shared folders, rsync servers, and public cloud services.

Energy Efficient and Easy Management

Synology DS418play is designed and developed with energy efficiency in mind. DS418play consumes only 29.01 W in regular operation. Wake on LAN/WAN and scheduled power on/off can further reduce power consumption and operational cost. With HDD hibernation, hard drives can enter the energy-saving mode automatically when the system has been idle for a specified period of time.



4K Ultra HD Multimedia Bank

Real-time H.264/H.265 4K video transcoding provides hassle-free high quality video playback among various devices.

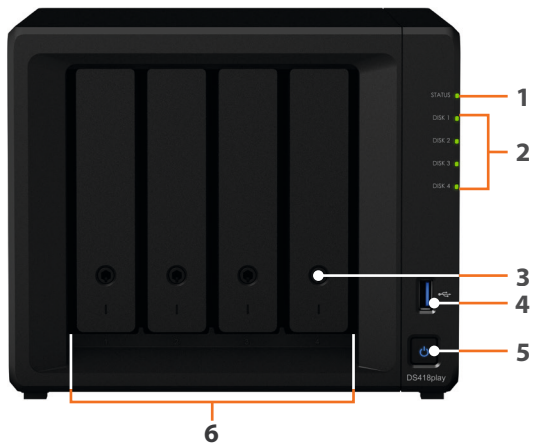


Anytime Availability

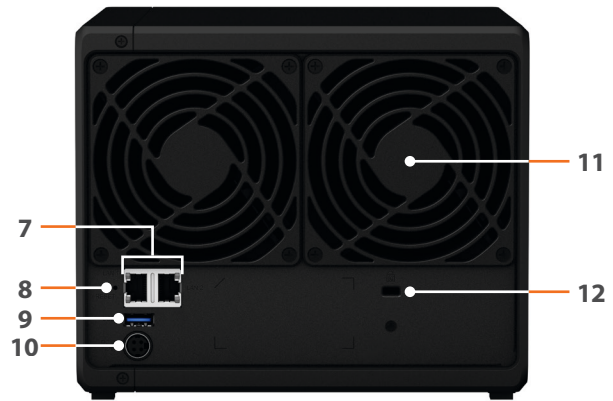
Access your DiskStation anywhere using Synology mobile apps.

Hardware Overview

Front



Rear



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

Technical Specifications

Hardware

CPU	Intel Celeron J3355 dual-core 2GHz, burst up to 2.5GHz
Hardware encryption engine	Yes (AES-NI)
Hardware transcoding engine	<ul style="list-style-type: none"> Supported codecs: H.264 (AVC), H.265 (HEVC), MPEG-2, VC-1 Maximum resolution: 4K (4096 x 2160) Maximum frames per second (FPS): 30
Memory	2 GB DDR3L SO-DIMM (expandable up to 6 GB)
Compatible drive type	4 x 3.5" or 2.5" SATA SSD/HDD (drives not included)
External port	2 x USB 3.0 port
Size (HxWxD)	166 x 199 x 223 mm
Weight	2.23 kg
LAN	2 x 1GbE (RJ-45)
Wake on LAN/WAN	Yes
Scheduled power on/off	Yes
System fan	2 (92 x 92 x 25 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: Btrfs, ext4External: Btrfs, ext4, ext3, FAT, NTFS, HFS+, exFAT³
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 internal volumes: 256Maximum iSCSI targets: 32Maximum iSCSI LUNs: 256
File sharing capability	<ul style="list-style-type: none">Maximum local user accounts: 2,048Maximum local groups: 256Maximum shared folders: 256Maximum concurrent SMB/NFS/AFP/FTP connections: 200
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®, 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 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
Universal Search	Offer global search into applications and files
Hyper Backup	Support local backup, network backup, and backup data to public clouds
Active Backup for Server	Centralize data backup for Windows and Linux servers without client installation
Backup tools	DSM configuration backup, macOS Time Machine support, Cloud Station Backup Shared folder sync - maximum tasks: 4
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 transfers: 200
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 cameras: 25 (total of 750 FPS at 720p, H.264) (includes two free camera licenses; additional cameras require the purchasing of additional licenses)
Snapshot Replication	<ul style="list-style-type: none">Maximum replications: 64Maximum shared folder snapshots: 1,024Maximum system snapshots: 65,536
VPN Server	Maximum connections: 20, supported VPN protocols: PPTP, OpenVPN™, L2TP/IPSec
MailPlus Server	Secure, reliable, and private mail solution with high-availability, load balancing, security and filtering design (Includes 5 free email account licenses; additional accounts require the purchasing of additional licenses)
MailPlus	Intuitive webmail interface for MailPlus Server, customizable mail labels, filters, and user interface
Collaboration tools	<ul style="list-style-type: none">Chat maximum users: 1,000Office maximum users: 200, maximum simultaneous editing users: 60Calendar: 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 protocols: BT, HTTP, FTP, NZB, eMule, Thunder, FlashGet, QDDL Maximum concurrent download tasks: 80
Web Station	Virtual host (up to 30 websites), PHP/MariaDB®, 3rd-party applications 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, MailPlus
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">• DS418play main unit x 1• Quick Installation Guide x 1• Accessory pack x 1• AC power adapter x 1• RJ-45 LAN cable x 2
Optional accessories	<ul style="list-style-type: none">• D3NS1866L-4G• VisualStation VS360HD, VS960HD• Surveillance Device License Pack• MailPlus License Pack
Warranty	2 years ⁴

*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. DS418play can transcode 4K video to 1080p or lower. The maximum number of concurrent video transcoding channels supported may vary depending on the video codec, resolution, bitrate and FPS.
3. exFAT Access is purchased separately in Package Center.
4. 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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DS418play-2019-ENU-REV006

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