



DiskStation

DS423



Private Cloud Hub for Essential File and Media Management

The Synology DiskStation DS423 offers four bays of storage and everything you need to consolidate, organize, and secure your data. Leverage built-in solutions in Synology DiskStation Manager (DSM) to sync and access files across multiple devices, create a digital photo hub for work or leisure, or secure your premises with intelligent video surveillance tools.

Highlights

- **Centralized Data Storage**
Consolidate up to 72 TB of data,¹ and enjoy 100% data ownership and multi-platform access from anywhere
- **Secure Sharing and Syncing**
Safely access and share files and media from anywhere, and keep friends, partners, or collaborators on the same page
- **Simple Data Protection**
Back up your media and documents to multiple destinations, and leverage snapshots to protect against malware
- **Versatile Surveillance**
Protect your home or business with intuitive monitoring, archiving, and analysis tools for up to 30 IP cameras

Spacious Storage Server for Data Availability

Organize data scattered across devices. Your Synology NAS can serve as a go-to platform to securely and conveniently store any type of data with comprehensive and intuitive [access and management tools](#).

- Browse and manage your files and media from any browser with [Synology Drive](#), or access data through your default file browser using common network protocols
- Enable QuickConnect to access your NAS directly from the anywhere without configuring complex port forwarding rules
- Keep your shots and clips organized using smart sorting functions in [Synology Photos](#)
- Deploy your Synology NAS as edge storage and fit it easily into the existing infrastructure thanks to Windows AD and LDAP integration

Collaboration and Synchronization Platform

Easily share documents and digital memories with family and friends, and boost productivity while working in a team or with your clients.

- Build a private data cloud for easy file management and sharing across all platforms, and keep data in sync between two or more Synology systems with [Synology Drive](#)
- Maintain a reduced local footprint by streaming data on demand from a central data repository through the cloud with [Hybrid Share](#)²
- Synchronize data to and from popular cloud storage platforms with [Synology Cloud Sync](#)
- Share media with family, friends, or collaborators through the privacy-focused sharing options in [Synology Photos](#)

Flexible Data Protection Options

Synology DSM comes with a host of backup and data protection solutions available at no extra cost.

- Leverage [Synology Drive](#) to protect data from ransomware attacks or accidental deletion with real-time or scheduled backup of your PC folders

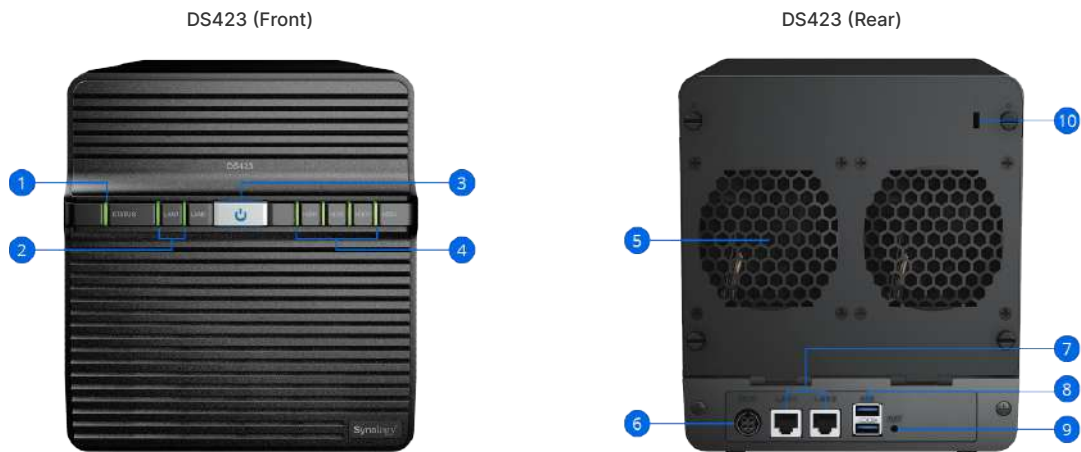
- Safeguard photos and videos taken on mobile devices by automatically creating remote copies with [Synology Drive](#) or [Synology Photos](#)
- Efficiently back up your entire Synology NAS or select folders to multiple destinations using [Hyper Backup](#)
- Store backups off-site on [C2 Storage](#),² a dedicated and secure cloud destination powered by Synology C2
- Take NAS protection to the next level with [Snapshot Replication](#) by creating point-in-time copies of shared folders that can be replicated to other Synology systems and rapidly restored

Versatile and Private Video Surveillance

[Synology Surveillance Station](#) transforms your Synology system into a powerful network video recorder (NVR).

- 8,300+ supported camera models
- ONVIF support for a broader selection of cameras
- Private, subscription-free storage of recordings
- Access through web browsers, desktop clients, or mobile apps
- Event-based rules to trigger specific actions
- Email, SMS, and push notification options
- Dual recording to the cloud with [C2 Surveillance](#) for online access and convenient sharing³

Hardware Overview



1	Status Indicator	2	LAN Indicators	3	Power Button	4	Drive Status Indicators
5	Fans	6	Power Port	7	LAN Ports	8	USB 3.2 Gen 1 Ports
9	Reset Button	10	Kensington Security Slot				

Technical Specifications

Hardware

CPU	Realtek RTD1619B
Memory	2 GB DDR4
Compatible drive types	<ul style="list-style-type: none">• 4 × 3.5" or 2.5" SATA HDD/SSD (drives not included)• Synology only guarantees full functionality, reliability, and performance for Synology drives listed on the compatibility list. The use of non-validated components may limit certain functionality and result in data loss and system instability⁴
Hot swappable drives	Yes
External ports	2 x USB 3.2 Gen 1 ports
Form factor	Desktop
Size (HxWxD)	184 × 168 × 230 mm
Weight	2.21 kg
LAN ports	2 × 1GbE RJ-45
Wake on LAN/WAN	Yes
Scheduled power on/off	Yes
System fans	1 x (80 × 80 mm)
AC input power voltage	100 V to 240 V AC
Power frequency	50/60 Hz, single phase
Operating environment	<ul style="list-style-type: none">• Temperature: 0°C to 40°C (32°F to 104°F)• Relative humidity: 8% to 80% RH
Storage environment	<ul style="list-style-type: none">• Temperature: -20°C to 60°C (-5°F to 140°F)• Relative humidity: 8% to 80% RH
Maximum operating altitude	5,000 m (16,400 ft)

General DSM Specifications

Networking protocols	SMB, AFP, NFS, FTP, WebDAV, CalDAV, iSCSI, Telnet, SSH, SNMP, and VPN (PPTP, OpenVPN™, L2TP)
File systems	<ul style="list-style-type: none">• Internal: Btrfs, ext4• External: Btrfs, ext4, ext3, FAT32, NTFS, HFS+, exFAT
Supported RAID types	Synology Hybrid RAID (SHR), Basic, JBOD, RAID 0, RAID 1, RAID 5, RAID 6, RAID 10
Storage management	<ul style="list-style-type: none">• Max. single volume size: 108 TB• Max. number of system snapshots: 4,096⁵• Max. number of internal volumes: 64
File sharing capabilities	<ul style="list-style-type: none">• Max. number of local user accounts: 1,024• Max. number of local groups: 256• Max. number of shared folders: 256• Max. number of concurrent SMB/NFS/AFP/FTP connections: 200
Privileges	Windows® Access Control List (ACL) and application privileges
Directory services	Connects with Windows® AD/LDAP servers enabling domain users to login via SMB/NFS/AFP/FTP/File Station using their existing credentials
Security	Firewall, shared folder encryption, SMB encryption, FTP over SSL/TLS, SFTP, rsync over SSH, login auto block, Let's Encrypt support, and HTTPS (customizable cipher suite)
Supported browsers	Google Chrome®, Firefox®, Microsoft Edge®, Safari® 14 and later, and Safari (iOS 14.0 and later) on iPad, Chrome (Android™ 11.0 and later) on tablets
Interface languages	English, Deutsch, Français, Italiano, Español, Dansk, Norsk, Svensk, Nederlands, Русский, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, Český, ไทย, 日本語, 한국어, 繁體中文, 简体中文

Packages and Applications

File Server & Synchronization

[Drive](#)
[File Station](#)
[Hybrid Share³](#)
[Presto File Server⁶](#)
[Cloud Sync](#)
[Universal Search](#)
[Migration Assistant](#)

Multimedia

[Synology Photos](#)
[Video Station](#)
[Audio Station](#)
[iTunes® Server](#)

SAN Storage

[SAN Manager](#)

Surveillance

[Surveillance Station⁷](#)

Data Protection & Backup Solutions

[Hyper Backup](#)
[Snapshot Replication](#)

Office Productivity

[Synology Office](#)
[Synology Calendar](#)
[Note Station](#)

Management & Administration

[Synology Directory Server](#)
[Central Management System](#)
[VPN Server](#)
[Active Insight⁸](#)
[Storage Analyzer](#)

[Antivirus Essential](#)
[Web Station](#)
[DNS Server](#)
[RADIUS Server](#)
[Log Center](#)

Others

iOS/Android™ applications



Scan the QR code to download
the detailed Product Specification sheet

<https://sy.to/ds423dspss>

Environment and Packaging

Environmental safety	RoHS compliant
Package contents	<ul style="list-style-type: none">• 1 x DS423 main unit• 1 x Quick Installation Guide• 1 x Accessory pack• 1 x AC power cord• 1 x AC power adapter• 2 x RJ-45 LAN cables
Optional accessories⁹	<ul style="list-style-type: none">• 2.5" SATA SSD: SAT5200 Series• 3.5" SATA HDD: HAT5300 Series• Surveillance Device License Pack⁷• Extended Warranty: Extended Warranty Plus¹⁰
Warranty	2 years ^{10,11}

Note: Specifications are subject to change without notice. Please refer to the model's [specifications page](#) for the most up to date information.

1. Raw capacity. Total storage capacity may vary depending on hard drives used and RAID configuration.
2. C2 Storage for Hyper Backup and Hybrid Share requires purchase of an eligible [annual or monthly subscription](#). A free trial is available for each newly registered device.
3. C2 Surveillance requires purchase of an eligible [annual subscription](#). Each additional channel requires a separate subscription. A free trial is available.
4. Check our [compatibility list](#) for supported drives.
5. System snapshots include snapshots taken by SAN Manager and Snapshot Replication.
6. Presto File Server license can be purchased separately through the application.
7. Surveillance Station includes two free licenses. Connecting more cameras and devices requires additional licenses. [Learn more](#)
8. Certain advanced features require purchase of an eligible [annual subscription](#). A free trial is available.
9. Please refer to our [compatibility list](#) for the latest optional accessories list.
10. The warranty period starts from the date of purchase as stated on your purchase receipt. Visit <https://www.synology.com/company/legal/warranty> for more information.
11. Up to 5 years of warranty are available as an additional bundle with Extended Warranty Plus, a 2-year extended warranty service add-on available in select regions. Check availability for [Extended Warranty Plus](#).

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