



DiskStation

# DS423+



## An all-in-one data management and sharing platform

The 4-bay DS423+ is a capable performer with all the tools you need to secure, share, back up, and sync your data and media. Built-in solutions available in Synology DiskStation Manager (DSM) let users create their own private cloud, organize and stream music, video, and photo collections across all devices, seamlessly collaborate with partners, set up an intuitive surveillance system, and more.

## Highlights

- **Centralized Data Storage**  
Store up to 72 TB of data<sup>1</sup> in one place, maintain 100% data ownership, and enjoy multi-platform access
- **Dependable Performance**  
Up to 226/224 MB/s sequential read/write throughput supports stable data transfers<sup>2</sup>
- **Built-in Data Management Tools**  
Leverage built-in file and photo management, data protection, and surveillance solutions
- **Effortless Data Sharing and Syncing**  
Access, share, and sync your data and media easily across different operating systems and devices

## Access Your Data Anytime, Anywhere

Securely and conveniently store any type of data with the aid of our comprehensive and intuitive [access and management tools](#).

- Access from anywhere directly from your browser without configuring complex port forwarding rules, with Synology QuickConnect
- Browse and manage your files from any browser or through Windows File Explorer, Finder on Mac, and more.
- Keep your photos and videos organized using [Synology Photos](#)' smart sorting functions
- Docker support provides access to a wide range of media management applications available as containers
- Easily incorporate into existing network infrastructure as edge storage thanks to Windows AD and LDAP support

## Share, Sync, and Collaborate

Whether sharing photos and videos with family or working on business projects with coworkers around the globe, Synology solutions make sharing, collaboration, and synchronization a breeze.

- Build a private data cloud for easy file management and sharing across all desktop and mobile devices, and keep data on your Synology systems in sync with [Synology Drive](#)
- Synchronize data from and to popular cloud storage platforms with [Synology Cloud Sync](#)
- Securely share photos and videos with family, friends, or business clients using [Synology Photos](#)
- Keep multiple sites in sync by leveraging the power of C2 cloud servers with [Synology Hybrid Share](#).<sup>3</sup> Reduce local storage and bandwidth usage by downloading files from the cloud only when needed

## Flexible Data Protection Options

Synology DSM comes with host of backup solutions for different scenarios available at no extra cost.

- Centrally set up and manage backups of Windows endpoints, Linux servers, VMware, Hyper-V, Microsoft 365, and Google Workspace with [Active Backup Suite](#)
- Leverage real-time and scheduled backups of your PC folders with [Synology Drive](#) to protect data against ransomware attacks or accidental deletion
- Safeguard photos and videos taken on mobile devices with automatic backups to [Synology Drive](#) or [Synology Photos](#)
- Efficiently back up your entire Synology NAS or select folders to a wide variety of destinations using [Hyper Backup](#)
- Store backups to [C2 Storage](#),<sup>3</sup> a dedicated and secure cloud destination powered by Synology C2
- Create point-in-time copies of shared folders that can be replicated to other Synology systems and rapidly restored with [Snapshot Replication](#)

## Private Video Surveillance

[Synology Surveillance Station](#) transforms any 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, and mobile apps
- Event-based rules to trigger specific actions
- Email, SMS, and push notification options
- Simultaneous recording to the cloud with [C2 Surveillance](#) for an extra layer of data protection and more convenient sharing<sup>4</sup>

# Hardware Overview

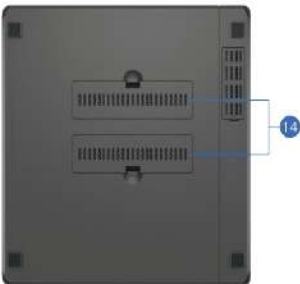
DS423+ (Front)



DS423+ (Rear)



DS423+ (Bottom)



|    |                          |    |                         |    |                       |    |                  |
|----|--------------------------|----|-------------------------|----|-----------------------|----|------------------|
| 1  | Status Indicator         | 2  | Drive Status Indicators | 3  | Memory Expansion Slot | 4  | Drive Tray Locks |
| 5  | USB 3.2 Gen 1 Port       | 6  | Power Button            | 7  | Drive Trays           | 8  | 1GbE RJ-45 Ports |
| 9  | Reset Button             | 10 | USB 3.2 Gen 1 Port      | 11 | Power Port            | 12 | Fans             |
| 13 | Kensington Security Slot | 14 | M.2 NVMe SSD Slots      |    |                       |    |                  |

# Technical Specifications

## Hardware

|                            |  |
|----------------------------|--|
| CPU                        | Intel® Celeron® J4125  |
| Memory                     | 2 GB DDR4 SODIMM (expandable up to 6 GB) <sup>5</sup>  |
| Compatible drive types     | <ul style="list-style-type: none"><li>• 4 × 3.5" or 2.5" SATA SSD/HDD (drives not included)</li><li>• 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 functionalities and result in data loss and system instability<sup>6</sup></li></ul> |
| Hot swappable drives       | Yes  |
| External ports             | 2 x USB 3.2 Gen 1 ports  |
| Form factor                | Desktop  |
| Size (HxWxD)               | 166 × 199 × 223 mm   |
| Weight                     | 2.18 kg  |
| LAN ports                  | 2 × 1GbE RJ-45   |
| Wake on LAN/WAN            | Yes  |
| Scheduled power on/off     | Yes  |
| System fans                | 2 x (92 × 92 × 25 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"><li>• Temperature: 0°C to 40°C (32°F to 104°F)</li><li>• Relative humidity: 8% to 80% RH</li></ul>   |
| Storage environment        | <ul style="list-style-type: none"><li>• Temperature: -20°C to 60°C (-5°F to 140°F)</li><li>• Relative humidity: 5% to 95% RH</li></ul>   |
| 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"><li>• Internal: Btrfs, ext4</li><li>• External: Btrfs, ext4, ext3, FAT32, NTFS, HFS+, exFAT</li></ul>  |
| 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"><li>• Max. single volume size: 108 TB</li><li>• Max. number of system snapshots: 65,536<sup>7</sup></li><li>• Max. number of internal volumes: 64</li></ul>  |
| SSD cache <sup>a</sup>    | <ul style="list-style-type: none"><li>• Read/write cache support</li><li>• M.2 NVMe and 2.5" SATA SSD support</li></ul>  |
| File sharing capabilities | <ul style="list-style-type: none"><li>• Max. number of local user accounts: 2,048</li><li>• Max. number of local groups: 256</li><li>• Max. number of shared folders: 512</li><li>• Max. number of concurrent SMB/NFS/AFP/FTP connections: 500</li></ul> |
| 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 (configurable cipher suite)   |
| Supported browsers        | Google Chrome®, Firefox®, Microsoft Edge®, Safari® 13 and later, and Safari (iOS 13.0 and later) on iPad, Chrome (Android™ 11.0 and later) on tablet   |
| 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

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[Drive](#)  
[File Station](#)  
[Hybrid Share<sup>3</sup>](#)  
[Presto File Server<sup>9</sup>](#)  
[Cloud Sync](#)  
[Universal Search](#)  
[Migration Assistant](#)

## Multimedia

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

## SAN Storage

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[SAN Manager](#)

## Surveillance

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[Surveillance Station<sup>11</sup>](#)

## Data Protection & Backup Solutions

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[Hyper Backup](#)  
[Snapshot Replication](#)  
[Synology High Availability](#)  
[Active Backup for Business](#)  
[Active Backup for Google Workspace](#)  
[Active Backup for Microsoft 365](#)

## Office Productivity

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

## Management & Administration

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[Synology Directory Server](#)  
[Central Management System](#)  
[VPN Server](#)  
[Active Insight<sup>11</sup>](#)  
[Storage Analyzer](#)

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

## Others

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iOS/Android™ applications  
Other packages



Scan the QR code to download  
the detailed Product Specification sheet

<https://sy.to/ds423pdsdcqr>

# Environment and Packaging

|                                    |  |
|------------------------------------|--|
| Environment safety                 | RoHS compliant   |
| Package contents                   | <ul style="list-style-type: none"><li>• 1 x DS423+ main unit</li><li>• 1 x Quick Installation Guide</li><li>• 1 x Accessory pack</li><li>• 1 x AC power adapter</li><li>• 1 x AC power cord</li><li>• 2 x RJ-45 LAN cable</li></ul>  |
| Optional accessories <sup>13</sup> | <ul style="list-style-type: none"><li>• DDR4 non-ECC SODIMM: D4NESO-2666-4G</li><li>• M.2 2280 NVMe SSD: SNV3400 series</li><li>• 2.5" SATA SSD: SAT5200 series</li><li>• 3.5" SATA HDD: HAT5300 series</li><li>• MailPlus License Pack<sup>10</sup></li><li>• Surveillance Device License Pack<sup>11</sup></li><li>• Extended Warranty: EW201, Extended Warranty Plus<sup>14</sup></li></ul> |
| Warranty                           | 3 years <sup>14,15</sup>   |

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. Usable storage capacity may vary depending on drives used and RAID configuration.
2. Performance figures obtained through internal testing by Synology. Actual performance may vary depending on the testing environment, usage, and configuration. See [performance charts](#) for more information.
3. 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.
4. C2 Surveillance requires purchase of an eligible annual subscription. Each additional channel requires a separate subscription. A free trial is available.
5. DS423+ comes with 2 GB DDR4 on board and can support up to 6 GB by adding one optional DDR4 non-ECC 4 GB SO-DIMM memory module.
6. View our [compatibility list](#) for supported drives.
7. System snapshots include snapshots taken by SAN Manager and Snapshot Replication.
8. Synology SNV3400/3410 series M.2 NVMe SSD drives can be installed through the built-in M.2 slots to enable SSD caching or create SSD storage pools. Drives are sold separately.
9. Presto File Server license can be purchased separately through the application.
10. Five MailPlus email accounts are included with the DS423+. Additional email accounts can be added with the purchase of Synology MailPlus License Packs. [Learn more](#)
11. Surveillance Station includes two free licenses. Connecting more cameras and devices requires additional licenses. [Learn more](#)
12. Certain advanced features require purchase of an eligible annual subscription. A free trial is available.
13. Please refer to our [compatibility list](#) for the latest optional accessories list.
14. 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](#).
15. 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.



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