



DiskStation

# DS223



## Data Management and Sharing Platform for Home and SOHO

Designed with both leisure and work in mind, the entry-level 2-bay DS223 has all the tools you need to create an intuitive and secure platform to centralize, organize, and share your data. Leverage the license-free, built-in solutions available in Synology DiskStation Manager (DSM) to create your own private cloud, access files from any device, and work efficiently on business projects with clients and collaborators.

## Highlights

- **Centralized Data Storage**  
Consolidate up to 36 TB of data<sup>1</sup> with 100% data ownership and multi-platform access
- **Easy Sharing & Syncing**  
Share files and media in a breeze, and keep clients and collaborators on the same page
- **Simple Data Protection**  
Back up your media library or business document repository to a variety of destinations
- **Intelligent Surveillance**  
Protect what matters by keeping an eye on your home with flexible monitoring tools

## Storage Hub With Anytime, Anywhere Access

Move away from 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 [file access and management tools](#).

- Enable QuickConnect to access your NAS directly from web browsers without configuring complex port forwarding rules
- Browse and manage your files from any browser with [Synology Drive](#), or access familiarly from the local network using common network protocols
- Keep your shots and clips organized using [Synology Photos](#)' smart sorting functions
- Deploy your Synology NAS as edge storage by fitting it easily into the existing network infrastructure thanks to Windows AD and LDAP integration

## Collaboration and Synchronization Platform

Make it easy to 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 the content of two Synology systems in sync with [Synology Drive](#)
- Maintain a reduced local footprint by streaming data on demand from a central data repository through the cloud with [Hybrid Share](#)<sup>2</sup>
- Synchronize data from and to 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 equipped with a complete host of backup solutions available at no extra cost.

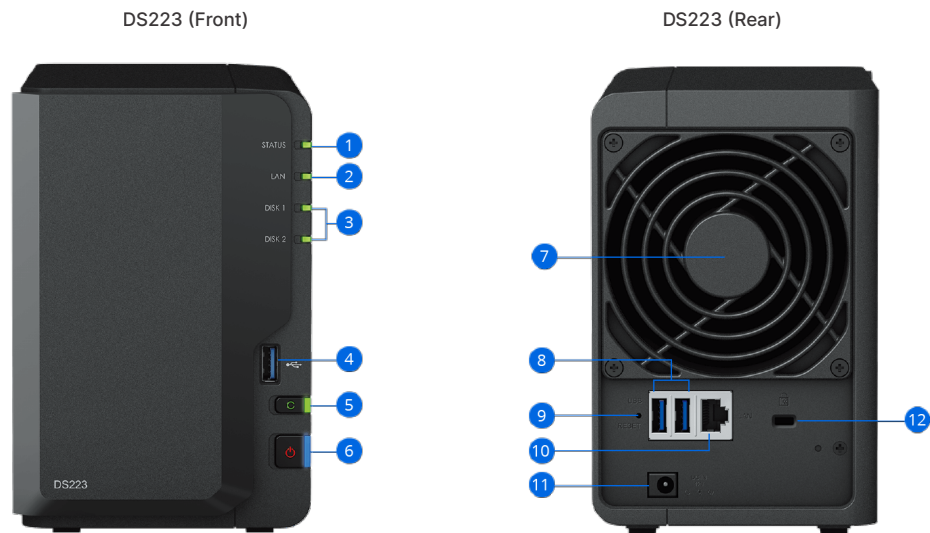
- Leverage [Synology Drive](#) to protect data from ransomware attacks or accidental deletion with real-time or scheduled backups of your PC folders
- Safeguard photos and videos taken on mobile devices by automatically creating remote copies with [Synology Drive](#) or [Synology Photos](#)
- Efficiently back up your entire Synology NAS or select folders to multiple destinations using [Hyper Backup](#)
- Store backups on [C2 Storage](#),<sup>2</sup> 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

## 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, 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 sharing<sup>3</sup>

# Hardware Overview



1	Status Indicator	2	LAN Indicator	3	Drive Status Indicators	4	USB 3.2 Gen 1 Port
5	Copy Button	6	Power Button	7	Fan	8	USB 3.2 Gen 1 Ports
9	Reset Button	10	1GbE RJ-45 Port	11	Power Port	12	Kensington Security Slot

# Technical Specifications

## Hardware

CPU	Realtek RTD1619B
Memory	2 GB DDR4
Compatible drive types	<ul style="list-style-type: none"><li>• 2 x 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>4</sup></li></ul>
Hot swappable drives	Yes
External ports	3 x USB 3.2 Gen 1 ports
Form factor	Desktop
Size (HxWxD)	165 × 108 × 232.7 mm
Weight	1.28 kg
LAN ports	1 × 1GbE RJ-45
Wake on LAN/WAN	Yes
Scheduled power on/off	Yes
System fans	1 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

<b>Networking protocols</b>	SMB, AFP, NFS, FTP, WebDAV, CalDAV, iSCSI, Telnet, SSH, SNMP, and VPN (PPTP, OpenVPN™, L2TP)
<b>File systems</b>	<ul style="list-style-type: none"><li>• Internal: Btrfs, ext4</li><li>• External: Btrfs, ext4, ext3, FAT32, NTFS, HFS+, exFAT</li></ul>
<b>Supported RAID types</b>	Synology Hybrid RAID (SHR), Basic, JBOD, RAID 0, RAID 1
<b>Storage management</b>	<ul style="list-style-type: none"><li>• Max. single volume size: 108 TB</li><li>• Max. number of system snapshots: 4,096<sup>5</sup></li><li>• Max. number of internal volumes: 64</li></ul>
<b>File sharing capabilities</b>	<ul style="list-style-type: none"><li>• Max. number of local user accounts: 1,024</li><li>• Max. number of local groups: 256</li><li>• Max. number of shared folders: 256</li><li>• Max. number of concurrent SMB/NFS/AFP/FTP connections: 200</li></ul>
<b>Privileges</b>	Windows® Access Control List (ACL) and application privileges
<b>Directory services</b>	Connects with Windows® AD/LDAP servers enabling domain users to login via SMB/NFS/AFP/FTP/File Station using their existing credentials
<b>Security</b>	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)
<b>Supported browsers</b>	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
<b>Interface languages</b>	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>6</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>7</sup>](#)

## Data Protection & Backup

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

## 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>8</sup>](#)  
[Storage Analyzer](#)

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

## Others

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iOS/Android™ applications



Scan the QR code to download  
the detailed Product Specification sheet  
<https://sy.to/ds223dsdcqr>

# Environment and Packaging

<b>Environmental safety</b>	RoHS compliant
<b>Package contents</b>	<ul style="list-style-type: none"><li>• 1 x DS223 main unit</li><li>• 1 x Quick Installation Guide</li><li>• 1 x Accessory pack</li><li>• 1 x AC power cord</li><li>• 1 x AC power adapter</li><li>• 1 x RJ-45 LAN cable</li></ul>
<b>Optional accessories<sup>9</sup></b>	<ul style="list-style-type: none"><li>• 2.5" SATA SSD: SAT5200 Series</li><li>• 3.5" SATA HDD: HAT5300 Series</li><li>• Surveillance Device License Pack<sup>7</sup></li><li>• Extended Warranty: Extended Warranty Plus<sup>10</sup></li></ul>
<b>Warranty</b>	2 years <sup>10,11</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. 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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DS223-2023-ENU-REV000