



DiskStation

# DS223j



## All-in-one file management and sharing hub

The DS223j is an efficient one-stop solution for all your data storage and sharing needs. With two bays of storage and Synology DiskStation Manager (DSM) on board, the DS223j allows you to create a private cloud to protect your files, share your data across several devices, store security footage with intelligent video surveillance tools, and more.

## Highlights

- **Centralized Data Storage**  
Consolidate all your data with complete data ownership and multi-platform access
- **Next-Generation File System**  
Leverage file self-healing, lightning-fast data snapshots, and rapid data cloning<sup>1</sup>
- **Secure Sharing and Syncing**  
Safely access and share files and media from anywhere, and keep clients, colleagues and collaborators on the same page
- **Simple Data Protection**  
Back up your media library or document repository to a variety of destinations
- **Versatile Camera Surveillance**  
Protect your premises with flexible monitoring tools



## Access Your Files Anytime, Anywhere

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](#).

- Enable QuickConnect to access your NAS securely from anywhere without configuring complex port forwarding rules
- 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
- Keep your photos and videos organized using [Synology Photos](#)' smart sorting functions
- Deploy your Synology NAS as edge storage and fit it easily into existing infrastructure thanks to Windows AD and LDAP integration



## Collaboration and Synchronization Platform

Easily share documents with colleagues 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 Synology systems with [Synology Drive](#)
- Synchronize data to and from popular cloud storage platforms with [Synology Cloud Sync](#)
- Share media with colleagues 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](#),<sup>2</sup> a dedicated and secure cloud destination powered by Synology C2
- Create point-in-time snapshots with [Snapshot Replication](#), allowing users to reverse any unplanned or unwanted changes<sup>1</sup>

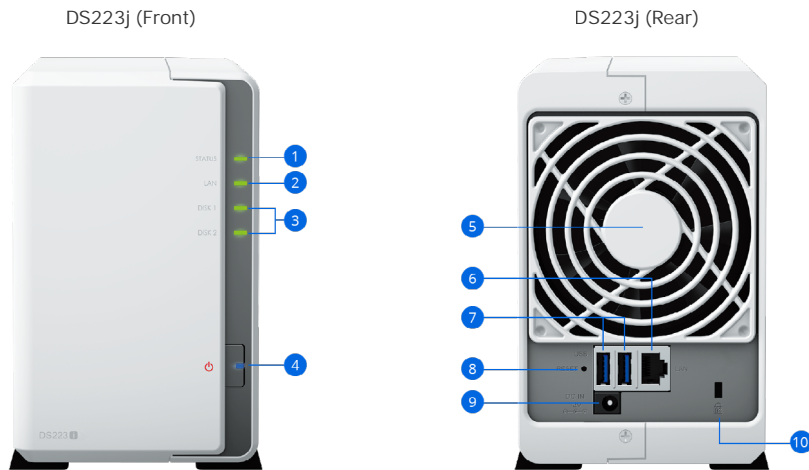


## Versatile and Private Video Surveillance

[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 sharing<sup>3</sup>

# Hardware Overview



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

# Technical Specifications

## Hardware

CPU	Realtek RTD1619B
Memory	1 GB DDR4
Compatible drive types	<ul style="list-style-type: none"><li>• 2 x 3.5" or 2.5" SATA HDD/SSD (drives not included.)<sup>4</sup></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 functionality and result in data loss and system instability<sup>5</sup></li></ul>
Hot swappable drives	No
External ports	2 x USB 3.2 Gen 1 ports
Form factor	Desktop
<b>Size (HxWxD)</b>	165 × 100 × 225.5 mm
Weight	0.88 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

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<sup>1</sup>, ext4</li><li>• External: Btrfs<sup>1</sup>, ext4, ext3, FAT32, NTFS, HFS+, exFAT</li></ul>
Supported RAID types	Synology Hybrid RAID (SHR), Basic, JBOD, RAID 0, RAID 1
Storage management	<ul style="list-style-type: none"><li>• Max. single volume size: 108 TB</li><li>• Max. number of system snapshots: 4,096<sup>6</sup></li><li>• Max. number of internal volumes: 64</li></ul>
File sharing capabilities	<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: 100</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 (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, ภาษาไทย, 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](#)  
[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 Solutions

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[Hyper Backup](#)  
[Snapshot Replication<sup>1</sup>](#)

## Office Productivity

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

## Management & Administration

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[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/ds223jdsqr>

# Environment and Packaging

Environment safety	RoHS compliant
Package contents	<ul style="list-style-type: none"><li>• 1 x DS223j 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>
Optional accessories <sup>9</sup>	<ul style="list-style-type: none"><li>• 3.5" SATA HDD: Plus Series</li><li>• Surveillance Device License Pack<sup>7</sup></li><li>• Extended Warranty: Extended Warranty Plus<sup>10</sup></li><li>• Disk Holder (Type C)</li></ul>
Warranty	2 years <sup>10,11</sup>

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

1. Feature available from DSM 7.2.
2. C2 Storage for Hyper Backup 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. A drive holder, sold separately, is required to install 2.5" drives. For compatible drive holders, check the [spare parts list](#).
5. Check our [compatibility list](#) for supported drives.
6. System snapshots include snapshots taken by SAN Manager and Snapshot Replication.
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.
10. Up to 4 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](#).
11. 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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