Synology®

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[1]

- **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,[2] 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[1]
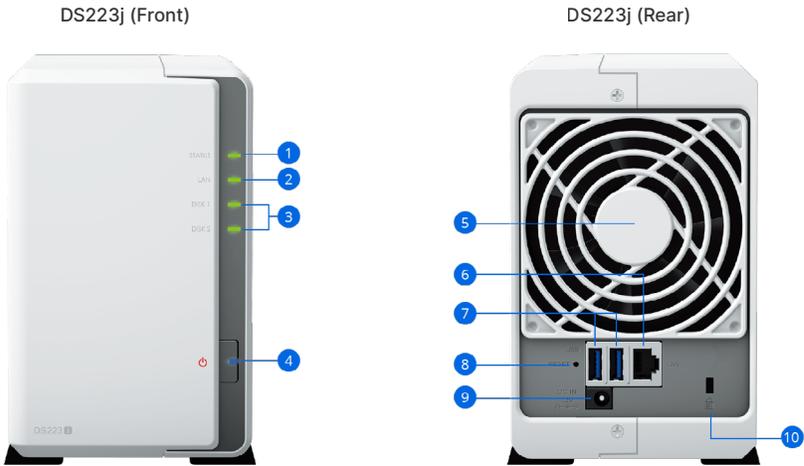
Versatile and Private Video Surveillance

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[3]

Hardware Overview

DS223j (Front)

DS223j (Rear)

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	• 2 x 3.5" or 2.5" SATA HDD/SSD (drives not included.)[4] • 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[5]
Hot swappable drives	No
External ports	2 x USB 3.2 Gen 1 ports
Form factor	Desktop
Size (HxWxD)	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	• Temperature: 0°C to 40°C (32°F to 104°F) • Relative humidity: 8% to 80% RH
Storage environment	• 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 Specifications

Networking protocols	SMB, AFP, NFS, FTP, WebDAV, CalDAV, iSCSI, Telnet, SSH, SNMP, and VPN (PPTP, OpenVPN™, L2TP)
File systems	• Internal: Btrfs[1], ext4 • External: Btrfs[1], ext4, ext3, FAT32, NTFS, HFS+, exFAT
Supported RAID types	Synology Hybrid RAID (SHR), Basic, JBOD, RAID 0, RAID 1
Storage management	• Max. single volume size: 108 TB • Max. number of system snapshots: 4,096[6] • Max. number of internal volumes: 64
File sharing capabilities	• 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: 100
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

Drive
File Station
Cloud Sync
Universal Search
Migration Assistant

Multimedia

Synology Photos
Video Station
Audio Station
iTunes® Server

SAN Storage

SAN Manager

Surveillance

Surveillance Station[7]

Data Protection & Backup Solutions

Hyper Backup
Snapshot Replication[1]

Office Productivity

Synology Office
Synology Calendar
Note Station

Management & Administration

VPN Server
Active Insight[8]
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/ds223jdsqr

Environment and Packaging

Environment safety	RoHS compliant
Package contents	• 1 x DS223j main unit • 1 x Quick Installation Guide • 1 x Accessory pack • 1 x AC power cord • 1 x AC power adapter • 1 x RJ-45 LAN cable
Optional accessories⁹	• 3.5" SATA HDD: Plus Series • Surveillance Device License Pack⁷ • Extended Warranty: Extended Warranty Plus¹⁰ • Disk Holder (Type C)
Warranty	2 years¹⁰,¹¹

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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