

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 <u>file access and management tools</u>.

- 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 <u>Synology Drive</u>, or access familiarly from the local network using common network protocols
- Keep your shots and clips organized using <u>Synology Photos</u>' 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 <u>Hybrid Share</u><sup>2</sup>
- Synchronize data from and to popular cloud storage platforms with <u>Synology</u>
   <u>Cloud Sync</u>
- Share media with family, friends, or collaborators through the privacyfocused sharing options in <u>Synology Photos</u>



# **Flexible Data Protection Options**

Synology DSM comes equipped with a complete host of backup solutions available at no extra cost.

- Leverage <u>Synology Drive</u> 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 <u>Synology Drive</u> or <u>Synology Photos</u>
- Efficiently back up your entire Synology NAS or select folders to multiple destinations using <u>Hyper Backup</u>
- Store backups on <u>C2 Storage</u>,<sup>2</sup> a dedicated and secure cloud destination powered by Synology C2
- Take NAS protection to the next level with <u>Snapshot Replication</u> by creating point-in-time copies of shared folders that can be replicated to other Synology systems and rapidly restored

## **Private Video Surveillance**

<u>Synology Surveillance Station</u> 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 <u>C2 Surveillance</u> 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> <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> <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> <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> <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
Storage management	<ul> <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>
File sharing capabilities	<ul> <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>
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® 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
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 Station<sup>7</sup>

## **Data Protection & Backup**

Hyper Backup
Snapshot Replication

## Office Productivity

Synology Office
Synology Calendar
Note Station

## **Management & Administration**

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**

iOS/Android™ applications



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



# **Environment and Packaging**

Environmental safety	RoHS compliant
	• 1 x DS223 main unit
	1 x Quick Installation Guide
Deelsone contents	1 x Accessory pack
Package contents	• 1 x AC power cord
	• 1 x AC power adapter
	• 1 x RJ-45 LAN cable
	• 2.5" SATA SSD: SAT5200 Series
Ontional accessories	• 3.5" SATA HDD: HAT5300 Series
Optional accessories9	Surveillance Device License Pack <sup>7</sup>
	• Extended Warranty: Extended Warranty Plus <sup>10</sup>
Warranty	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.

- Raw capacity. Usable storage capacity may vary depending on drives used and RAID configuration.
- C2 Storage for Hyper Backup and Hybrid Share requires purchase of an eligible <u>annual or monthly subscription</u>. A free trial is available for each newly registered device.
- C2 Surveillance requires purchase of an eligible <u>annual subscription</u>.
   Each additional channel requires a separate subscription. A free trial is available.
- Check our <u>compatibility list</u> for supported drives.
- System snapshots include snapshots taken by SAN Manager and Snapshot Replication.
- Presto File Server license can be purchased separately through the application.

- Surveillance Station includes two free licenses. Connecting more cameras and devices requires additional licenses. <u>Learn more</u>
- Certain advanced features require purchase of an eligible <u>annual subscription</u>. A free trial is available.
- Please refer to our <u>compatibility list</u> for the latest optional accessories list.
- The warranty period starts from the date of purchase as stated on your purchase receipt. Visit <a href="https://www.synology.com/company/legal/warranty">https://www.synology.com/company/legal/warranty</a> for more information.
- 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 <a href="Extended Warranty Plus">Extended Warranty Plus</a>.



