

Synology DS223 Network Storage Disk Station



Synology DS223 Network Storage Disk Station User Guide

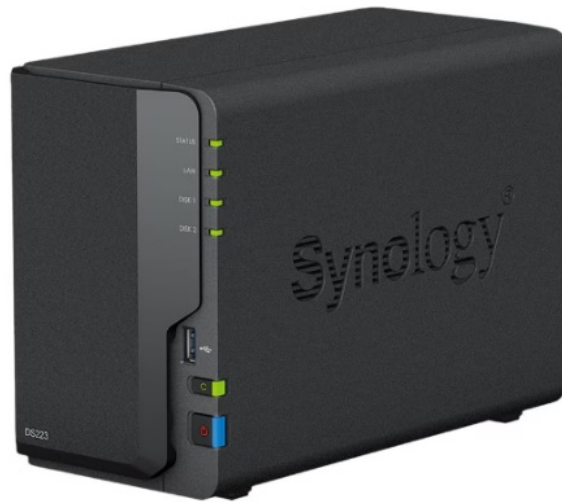
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Synology®

Synology DS223 Network Storage Disk Station



Specifications

- **CPU:** Realtek RTD1619B
- **Memory:** 2 GB DDR4
- **Compatible Drive Types:** Hot swappable drives
- **External Ports:** 3 x USB 3.2 Gen 1 ports
- **Form Factor:** Desktop
- **Size (HxWxD):** 165 x 108 x 232.7 mm
- **Weight:** 1.28 kg
- **LAN Ports:** 1 x 1GbE RJ-45
- **Wake on LAN/WAN:** Yes
- **Scheduled Power On/Off:** Yes
- **System Fans:** 1 x (92 x 92 x 25 mm)
- **AC Input Power Voltage:** 100 V to 240 V AC
- **Power Frequency:** 50/60 Hz, single phase
- **Maximum Operating Altitude:** 5,000 m (16,400 ft)

Product Usage Instructions

Data Management and Sharing Platform

The DS223 is designed to centralize, organize, and share your data. Follow these steps for effective data management:

1. Create your private cloud using Synology DiskStation Manager (DSM).
2. Access files from any device connected to the network.
3. Work efficiently on business projects with clients and collaborators.

Hardware Overview

The DS223 features the following components:

- Status Indicator, LAN Indicator, Drive Status Indicators.
- USB 3.2 Gen 1 Port, Power Button, Fan.
- Copy Button, Reset Button, 1GbE RJ-45 Port, Power Port.

Data Protection Options

To ensure data protection, consider the following options:

- Create point-in-time copies of shared folders.
- Replicate data to other Synology systems for redundancy.
- Rapidly restore data when needed.

Private Video Surveillance

Utilize the DS223 for private video surveillance with convenient sharing capabilities.

Frequently Asked Questions (FAQ)

Q: Can I use non-validated components with DS223?

A: It is recommended to use drives listed on the compatibility list to avoid limiting functionalities and potential data loss or system instability.

Q: How can I access my files remotely?

A: You can access your files remotely by setting up remote access features in DSM and connecting to your DiskStation from any device with an internet connection.

Q: What RAID types are supported?

A: Supported RAID types include Synology Hybrid RAID (SHR), Basic, JBOD, RAID 0, and RAID 1 for flexible storage configurations.

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 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 Management | Synology Inc.](#)

- 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 | Your private cloud for file](#)

[management and sharing anywhere | Synology Inc.](#), or access familiarly from the local network using common network protocols

- Keep your shots and clips organized using [Synology Photos | Synology Inc.](#)' 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 | Your private cloud for file management and sharing anywhere | Synology Inc.](#)
- Maintain a reduced local footprint by streaming data on demand from a central data repository through the cloud with [Hybrid Share | Synology Inc.](#)
- Synchronize data from and to popular cloud storage platforms with [Synology Inc.](#)
- Share media with family, friends, or collaborators through the privacy-focused sharing options in [Synology Photos | Synology Inc.](#)

Flexible Data Protection Options

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

- Leverage [Synology Drive | Your private cloud for file management and sharing anywhere | Synology Inc.](#) 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 | Your private cloud for file management and sharing anywhere | Synology Inc.](#) or [Synology Photos | Synology Inc.](#)
- Efficiently back up your entire Synology NAS or select folders to multiple destinations using [Synology Inc.](#)
- Store backups on [C2 Storage \(synology.com\)](#) a dedicated and secure cloud destination powered by Synology C2
- Take NAS protection to the next level with [Synology Inc.](#) by creating point-in-time copies of shared folders that can be replicated to other Synology systems and rapidly restored

Private Video Surveillance

[Surveillance Station | Synology Inc.](#) 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 \(synology.com\)](https://www.synology.com/C2-Surveillance) for online access and convenient sharing3

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"> • 2 x 3.5" or 2.5" SATA SSD/HDD (drives not included) • 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 instability⁴
Hot swappable drives	Yes
External ports	3 x USB 3.2 Gen 1 ports
Form factor	Desktop
Size (HxWxD)	165 x 108 x 232.7 mm
Weight	1.28 kg
LAN ports	1 x 1GbE RJ-45
Wake on LAN/WAN	Yes
Scheduled power on/off	Yes
System fans	1 x (92 x 92 x 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"> • Temperature: 0°C to 40°C (32°F to 104°F) • Relative humidity: 8% to 80% RH
Storage environment	<ul style="list-style-type: none"> • 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

- [Synology Photos | Synology Inc.](#)
- [Synology Inc.](#)
- [Audio Station](#)
- [iTunes® Server](#)

SAN Storage

- [SAN Manager](#)

Surveillance

- [Surveillance Station](#)⁷

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](#)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/ds223dsdcqr>



Environment and Packaging

Environmental safety	RoHS compliant
Package contents	<ul style="list-style-type: none">• 1 x DS223 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 accessories ⁹	<ul style="list-style-type: none">• 2.5" SATA SSD: SAT5200 Series• 3.5" SATA HDD: HAT5300 Series• Surveillance Device License Pack⁷• Extended Warranty: Extended Warranty Plus¹⁰
Warranty	2 years ^{10,11}


Note: Specifications are subject to change without notice. Please refer to the model's [DiskStation DS223 | Synology Inc.](#) 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 [Compare Pricing Plan Options | C2 Storage \(synology.com\)](#). A free trial is available for each newly registered device.
3. C2 Surveillance requires purchase of an eligible [Compare Pricing Plan Options | C2 Surveillance \(synology.com\)](#).
Each additional channel requires a separate subscription. A free trial is available.
4. Check our [Compatibility List | Synology Inc.](#) 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. [Surveillance Device License Pack | Synology Inc.](#)
8. Certain advanced features require purchase of an eligible [Synology Inc.](#). A free trial is available.
9. Please refer to our [Compatibility List | Synology Inc.](#) 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 | Synology](#)

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Documents / Resources

	<p>Synology DS223 Network Storage Disk Station [pdf] User Guide</p> <p>DS223 Network Storage Disk Station, DS223, Network Storage Disk Station, Storage Disk Station, Disk Station, Station</p>
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References

- Syno [Legal | Synology Inc.](#)
- [User Manual](#)

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