

# DiskStation DS223j



**Brand:** Synology  
**Product Code:** DS223j  
**Availability:** 10  
**Weight:** 0.88kg  
**Dimensions:** 165.00mm x 100.00mm x 225.50mm  
**Call for Price:**

## Short Description

Synology 2-Bay DiskStation DS223j (Diskless)

## Description

**Take command of your most important data**



**Secure private cloud**

Anywhere, anytime secure access to all your data.



**Easy sharing and syncing**

Safely access and share files and media from anywhere.



## **Comprehensive data protection**

Hardware and software engineered to protect your data — trusted by millions.

## **Built for sharing**

DS223j is designed for small teams to share, sync, and collaborate more efficiently.

## **Multi-platform file access**

Manage your files and media from anywhere with Synology Drive. Available on PC, Mac, Linux, Chromebook, Android, iOS, or any device equipped with a browser.



## **Real-time collaboration**

Stay productive while working in a team or with your clients. Work together across different platforms using Synology Office.



**Sync across sites**

Keeping data synced between different sites has never been easier. Synology Drive ShareSync keeps files and folders synchronized across Synology systems.



## **Seamless synchronization to clouds**

Sync files between your private cloud and public cloud storage platforms, including Google Drive, Dropbox, Microsoft OneDrive, and more with Synology Cloud Sync. Retain local copies of your cloud data to centralize management and achieve data ownership.

## **Your data in safe hands with Btrfs<sup>1</sup>**

The advanced Btrfs file system helps safeguard data against corruption through file self-healing and allows for the reversal of unintentional or malicious changes through fast snapshot technology.



## **Store, share, and protect**

Use your DS124 to manage all your documents, photos, and other files, or protect your physical assets with professional video surveillance.

## **Photo management**

## Manage your photo collection

Organize your photos and videos with smart and intuitive features. Browse automatically generated albums using facial recognition, geolocation, tags, and more.

## Sharing made safer and easier

Securely share media with others while leveraging enhanced privacy features for greater peace of mind. Create a Shared Space to work together with invitees using a folder-based media library.



## **Data protection**

### Automated media backup

Automatically upload photos and videos taken on your mobile device to your private cloud with Synology Photos or Synology Drive.

### Protection against cyberattacks

Leverage Synology Drive to protect data from ransomware attacks or accidental deletion with real-time or scheduled backup of your PC folders.



## Wide compatibility

Choose from over 8,300 IP cameras or ONVIF devices compatible with Synology Surveillance Station to keep your premises secure.<sup>[1](#)</sup>



## Universal access

Watch live camera streams through web browsers, desktop clients, or mobile apps. Get notified of events and take immediate action.



**Add an extra layer of protection**

## Perform full Synology system backups

Back up your entire Synology device, including system settings and applications, or select specific folders. Transfer all backup data to multiple destinations using Hyper Backup.<sup>2</sup>

## Keep your data safe with snapshots

Take your data protection to the next level by creating automatic point-in-time snapshots of shared folders that can be copied off-site and rapidly restored using Snapshot Replication.

## Software

### DSM Specifications

<a href="#">Storage Management</a>	Maximum Single Volume Size	108 TB	
	Maximum Internal Volume Number	64	
	Supported RAID Type		<ul style="list-style-type: none"><li>• Synology Hybrid RAID</li><li>• Basic</li><li>• JBOD</li><li>• RAID 0</li><li>• RAID 1</li></ul>
	RAID Migration		<ul style="list-style-type: none"><li>• Basic to RAID 1</li></ul>
	Volume Expansion with Larger HDDs		<ul style="list-style-type: none"><li>• Synology Hybrid RAID</li><li>• RAID 1</li></ul>
	Volume Expansion by Adding a HDD		<ul style="list-style-type: none"><li>• Synology Hybrid RAID</li></ul>
	Notes		<ul style="list-style-type: none"><li>• Usable capacity for each volume will be lower than the maximum volume size and is dependent on the filesystem and the amount of system metadata stored.</li><li>• Actual maximum storage pool and volume sizes depend on drive sizes used, the number of drive bays available, and the RAID configuration.</li></ul>

## [File System](#)

Internal Drives	<ul style="list-style-type: none"><li>• Btrfs</li><li>• ext4</li></ul>
External Drives	<ul style="list-style-type: none"><li>• Btrfs</li><li>• ext4</li><li>• ext3</li><li>• FAT</li><li>• NTFS</li><li>• HFS+</li><li>• exFAT</li></ul>
Notes	Btrfs file system is available from DSM 7.2-64570.

## [File Services](#)

File Protocol	<ul style="list-style-type: none"><li>• SMB</li><li>• AFP</li><li>• NFS</li><li>• FTP</li><li>• WebDAV</li><li>• Rsync</li></ul>
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Maximum Concurrent 100

SMB/AFP/FTP

Connections

Windows Access

Control List (ACL)

Integration

NFS Kerberos

Authentication

Notes

The testing standard was based on the maximum number of concurrent connections supported by this model. During the testing, 25% of the connections were used to transfer files concurrently. The transfer process guaranteed that the connections were not interrupted; the minimum transfer speed was not guaranteed.

## [Account & Shared Folder](#)

Maximum Local User 1,024

Accounts

Maximum Local 256

Groups

Maximum Shared 256

Folder

Maximum Shared 4

Folder Sync Tasks

## [Hyper Backup](#)

Folder and Package

<a href="#">Log Center</a>	Backup	
	Syslog Events per Second	200
<a href="#">General Specifications</a>	Supported Protocols	SMB1 (CIFS), SMB2, SMB3, NFSv3, NFSv4, NFSv4.1, NFS Kerberized sessions, iSCSI, HTTP, HTTPS, FTP, SNMP, LDAP, CalDAV
	Supported Browsers	<ul style="list-style-type: none"> <li>• Chrome</li> <li>• Firefox</li> <li>• Edge</li> <li>• Safari</li> </ul>
	Supported Language	English, Deutsch, Français, Italiano, Español, Dansk, Norsk, Svenska, Nederlands, ???????, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, ?eský, ???????, ???, ???, ????, ????
	Notes	For an updated list of supported browser versions, check the <a href="#">DSM Technical Specifications</a> .
Add-on Packages <a href="#">view the complete package list</a>		
<a href="#">Synology Chat</a>	Download Station	Maximum Concurrent Download Tasks 80
<a href="#">SAN Manager</a>	Maximum iSCSI Target Number	10
	Maximum LUN	10
<a href="#">Media Server</a>	LUN Clone/Snapshot, Windows ODX	
<a href="#">Synology Photos</a>	DLNA Compliance	
<a href="#">Snapshot Replication</a>	Facial Recognition	
	Maximum Snapshots per Shared Folder	256
	Maximum of System Snapshots	4,096
	Notes	Snapshot Replication is available from DSM 7.2-64570.
<a href="#">Surveillance Station</a>	Default Licenses	2 ( <a href="#">Additional cameras require purchase of licenses</a> )
	Suggested Maximum IP Cameras and Total FPS (H.264)	<ul style="list-style-type: none"> <li>• 720p: 12 channels, 360 FPS</li> <li>• 1080p: 12 channels, 360 FPS</li> <li>• 3M: 12 channels, 300 FPS</li> </ul>

Suggested Maximum IP Cameras and Total FPS (H.265)

- 5M: 12 channels, 150 FPS
- 4K: 11 channels, 110 FPS
- 720p: 12 channels, 360 FPS
- 1080p: 12 channels, 360 FPS
- 3M: 12 channels, 360 FPS
- 5M: 12 channels, 350 FPS
- 4K: 12 channels, 200 FPS

Notes

- Performance figures are obtained from testing conducted with the device fully populated with drives, with their default memory configuration, and under a continuous recording setup. Actual system capabilities may vary based on configuration, drive performance, enabled features, and the presence of additional workloads.
- Use [NVR Selector](#) to quickly find a suitable model based on your requirements.
- The maximum number of camera stream outputs is 2 times the suggested maximum number of IP cameras.

### [Synology Drive](#)

Recommended Number of Concurrent Sync Clients

200 (the number of connections that can be maintained when the recommended number of hosted files was reached)

Recommended Number of Hosted Files

500,000 (applies to files indexed or hosted by [Synology Drive](#). For file access through other standard protocols, refer to the File Services section above)

Notes

- Exceeding the recommended numbers above will not block application operations, but may result in longer response time.
- Btrfs file system and non-encrypted shared folders were used during the aforementioned testing.

### [Synology Office](#)

Suggested Maximum Users 500

Suggested Concurrent 200

Users  
Notes

- Multiple files were opened for testing and each file was edited by 30 users simultaneously.
- Client performance may affect maximum simultaneous editing users. Client PCs used for testing: Intel Core i3-3220 / 8GB RAM

### VPN Server

Maximum Connections 10

### Specification

NAS	
Compatible Drive Type	3.5 / 2.5 SATA - SSD
CPU Architecture	64-bit
CPU Core	4
CPU Frequency	1.7 GHz
CPU Model	Realtek RTD1619B
CPU Quantity	1
Drive Bays	2
Hardware Encryption Engine	YES
Memory	1 GB DDR4 non-ECC
Power Supply Unit / Adapter	60 watts 100V to 240V A 50/60 Hz, Single PhaseC
RJ-45 1GbE LAN Port	1
System Fan	92 mm x 92 mm x 1 pcs
USB 3.2 Gen 1 Port	2

### Product Gallery



