# DiskStation DS223



**Brand:** Synology **Product Code:** DS223

**Availability:** 10 **Weight:** 1.28kg

**Dimensions:** 165.00mm x 108.00mm x

232.70mm

Price: 22,500.00EGP

**Short Description**Synology 2 Bay NAS DS223

#### **Description**

# Get your data under control

Consolidate files from various sources into your own private cloud. The DS223 keeps the process simple and offers everything you need to keep your data safe and organized.



### Secure private cloud

Enable anywhere, anytime access to up to 40 TB of data



# Simple backup hub

Create spare copies of your documents and media for easy recovery.



### **Efficient operation**

Keep energy consumption low with just 17.3 W during operation.

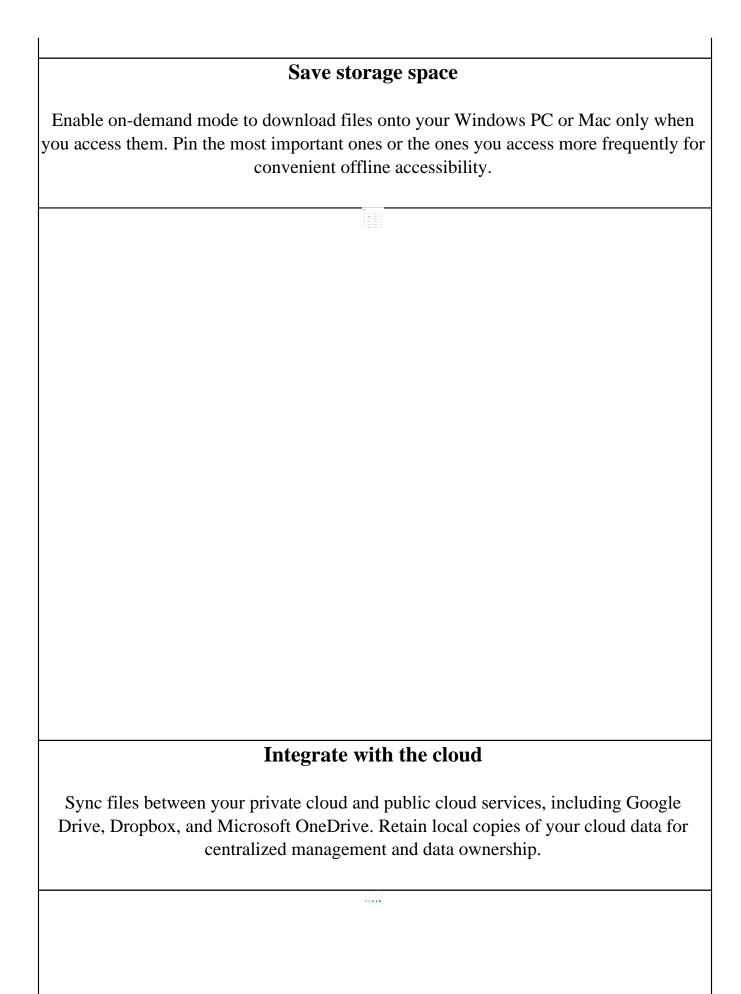
# Private cloud made easy

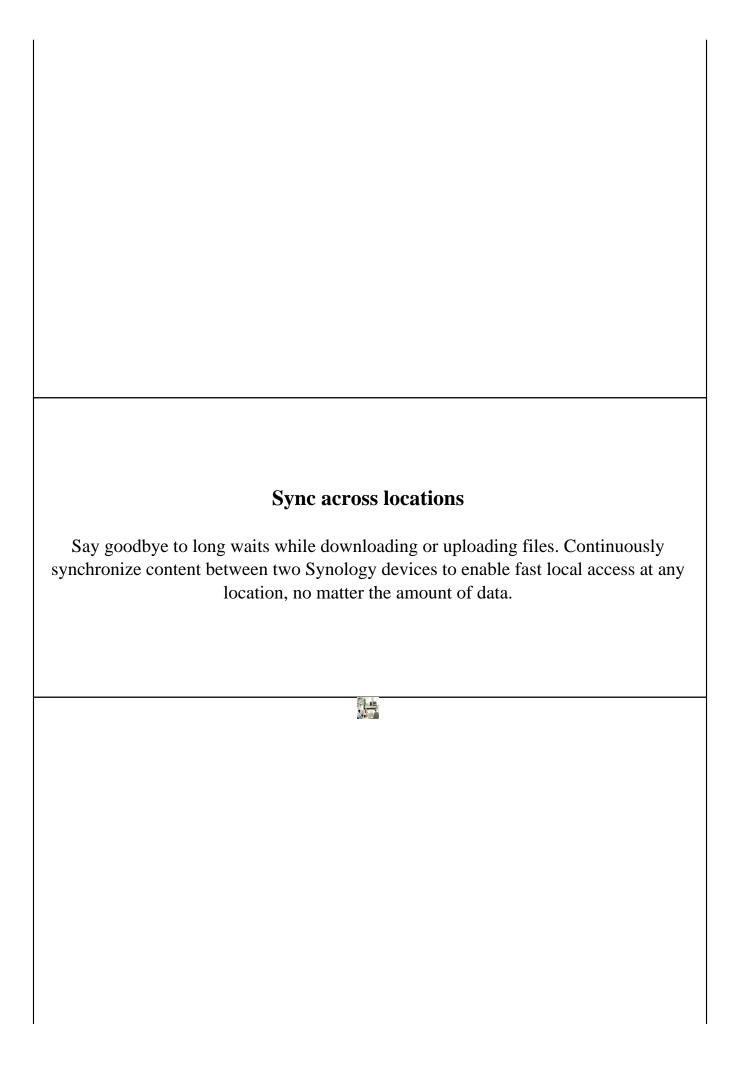
Import data from PCs, Macs, and other external storage devices at a 14% faster rate and keep all your devices in sync for smoother file management.

### Access from any device

Get to your files from PC, Mac, Linux, Chromebook, Android, iOS, or any device equipped with a browser. Keep your data private or easily share it using secure links.







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.
Versatile NAS for the modern home
Configure your DS223 to best suit your needs thanks to a host of complete solutions designed for every scenario.

Photo management
Store and organize photos, albums, and other media with smart and intuitive features. Leverage privacy-focused options to share media securely with friends, family, or colleagues.
30% faster photo indexing

### **Data protection**

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.   1	,
Universal access	

Watch live camera streams through web browsers, desktop clients, or mobile apps. Get notified of events and take immediate action.		
V   V   E   1		
Protect your data platform		
i i vieci your data piatioriii		
Add an extra layer of protection to your files with one of the built-in, license-free solutions available to back up your DS223.		
Flexible backups		

Back up your entire NAS, including system settings and applications, or select specific folders. Secure all backup data to multiple destinations.		
Near-continuous protection		
Take NAS protection to the next level by creating point-in-time copies of shared folders that can be replicated elsewhere and rapidly restored.		
men.		

#### **Software**

#### **DSM Specifications**

Storage Management Maximum Single 108 TB

Volume Size

Maximum Internal 64

Volume Number

SSD TRIM

Supported RAID

Type

Synology Hybrid RAID

Basic

JBOD

• RAID 0

• RAID 1

**RAID Migration** Basic to RAID 1

**Volume Expansion** with Larger HDDs

Volume Expansion by

Adding a HDD

Notes

Synology Hybrid RAID

• RAID 1

• Synology Hybrid RAID

 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.

• Actual maximum storage pool and volume sizes depend on drive sizes used, the number of drive bays available, and the RAID configuration.

**Internal Drives** File System

Btrfs

• ext4

**External Drives** 

Btrfs

• ext4

ext3

FAT

NTFS

• HFS+

exFAT

File Services File Protocol SMB

AFP

NFS

FTP

WebDAV

• Rsync

Maximum Concurrent 200

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

Maximum Local User 1,024

Folder

Accounts

Maximum Local 256

Groups

Maximum Shared

Folder

Maximum Shared 4

Folder Sync Tasks

Hybrid Share Folder 5

Number

Hyper Backup Data & Folder

Backup

<u>Log Center</u> Syslog Events per

Second

General Supported Protoco

Specifications Supported Protocols

Supported Protocols SMB1 (CIFS), SMB2, SMB3, NFSv3,

NFSv4, NFSv4.1, NFS Kerberized sessions,

iSCSI, HTTP, HTTPs, FTP, SNMP, LDAP,

CalDAV

256

400

Supported Browsers

• Chrome

• Firefox

• Edge

• Safari

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 **DSM Technical** 

Specifications.

Add-on Packages view the complete package list

Synology Chat

Download Station Maximum Concurrent 80

**Download Tasks** 

SAN Manager Maximum iSCSI 10

Target Number

Maximum LUN 10 LUN Clone/Snapshot,

Windows ODX

Media ServerDLNA ComplianceSynology PhotosFacial Recognition

**Snapshot Replication** Maximum Snapshots 256

per Shared Folder

Maximum of System 4,096

**Snapshots** 

Surveillance Station Default Licenses 2 (Additional cameras require purchase of

licenses)

Suggested Maximum IP Cameras and Total

FPS (H.264)

• 720p: 20 channels, 600 FPS

• 1080p: 20 channels, 460 FPS

• 3M: 20 channels, 300 FPS

• 5M: 15 channels, 150 FPS

• 4K: 11 channels, 110 FPS

Suggested Maximum

IP Cameras and Total

FPS (H.265)

• 720p: 20 channels, 600 FPS

• 1080p: 20 channels, 500 FPS

• 3M: 20 channels, 400 FPS

• 5M: 20 channels, 350 FPS

• 4K: 20 channels, 200 FPS

Notes • Perfor

 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

Recommended Number of Hosted

Files

**Notes** 

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

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)

 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 500

Users

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

20

Connections

#### **Specification**

NAS	
CPU Model	Realtek RTD1619B
CPU Quantity	1

CPU Core	4
CPU Architecture	64-bit
CPU Frequency	1.7 GHz
Hardware Encryption	YES
Engine	
Memory	2 GB DDR4 non-ECC
Drive Bays	2
Compatible Drive Type	3.5 / 2.5 HDD - SSD
Hot Swappable Drive	YES
RJ-45 1GbE LAN Port	1
USB 3.2 Gen 1 Port	3
System Fan	92 mm x 92 mm x 1 pcs
Power Supply Unit /	60 watts 100V to 240V AC 50/60 Hz, Single Phase
Adapter	

# **Product Gallery**





