



Synology DS223

· Specification summary

Device class	2-bay NAS
Processor	Realtek RTD1619B; 1 CPU, 4 cores, 64-bit, 1.7 GHz
System memory	2 GB DDR4 non-ECC; not a memory-expansion promise.
Hardware encryption engine	Listed in the hardware specification; not a security or throughput guarantee.
Drive bays	2
Drive types	3.5-inch SATA HDD or 2.5-inch SATA SSD; verify exact drive compatibility and package contents.
Drive hot-swap reference	Hot-swappable drive support is listed; follow the applicable storage/DSM procedure.
Network interface	1 RJ45 1GbE LAN port
USB ports	3 USB 3.2 Gen 1 ports
Controls and indicators	USB Copy, power/reset buttons, status/LAN/drive indicators and a Kensington security slot are shown.
Dimensions (H × W × D)	165 × 108 × 232.7 mm
Manufacturer weight reference	1.28 kg; confirm the actual populated system/package separately.
System fan	1 fan, 92 × 92 × 25 mm
AC input reference	100–240 V AC, 50/60 Hz, single phase; confirm actual adapter/plug.
Operating temperature	0–40 °C
Storage temperature	–20–60 °C
Operating humidity	8–80% RH
Storage humidity	5–95% RH
RAID options	Synology Hybrid RAID, Basic, JBOD, RAID 0 and RAID 1; usable capacity depends on drives and configuration.
Single-volume software limit	108 TB maximum single-volume software reference, not installed raw capacity. Actual capacity depends on compatible drives, available bays, RAID, filesystem and metadata.
Internal volume count	Up to 64 internal volumes in the cited DSM reference, not 64 physical drives.
Internal file systems	Btrfs and ext4
External file systems	Btrfs, ext4, ext3, FAT32, NTFS, HFS+ and exFAT
File-service protocols	SMB, AFP, NFS, FTP, WebDAV and rsync are listed; select supported, secure protocols for the deployment.
Local account reference	Up to 256 local accounts and 64 local groups, not simultaneous-client performance promises.

Shared-folder reference	Up to 64 shared folders and 2 Shared Folder Sync tasks.
Synology Drive reference	Cross-platform file access/synchronization for Windows, macOS, Linux, Android and iOS; configuration is required.
Synology Drive scale reference	Suggested maximum 5 users and 100,000 hosted/indexed files in the cited workload; not the NAS account limit or every protocol's file limit.
Photos and mobile backup	Synology Photos and Synology Drive are described for photo management and automatic copies of mobile media.
Hyper Backup	Local, network, other-server and supported public-cloud destinations; configure and test the backup path.
C2 Storage option	C2 Storage requires an eligible monthly or annual paid subscription; not an included permanent cloud service.
Snapshot reference	Up to 128 snapshots per shared folder and 1,024 system snapshots in the cited Snapshot Replication reference.
iSCSI reference	Up to 2 iSCSI targets and 4 LUNs in the cited SAN Manager reference.
Surveillance Station license reference	2 default camera licenses; additional cameras require purchased licenses.
H.264 surveillance reference	1080p: 20 channels / 460 total FPS; 3M: 20 / 300; 5M: 15 / 150; 4K: 11 channels / 110 total FPS. Separate tested profiles, not per-camera rates.
H.265 surveillance reference	1080p: 20 channels / 500 total FPS; 3M: 20 / 400; 5M: 20 / 350; 4K: 20 channels / 200 total FPS. Separate tested profiles, not per-camera rates.
C2 Surveillance option	C2 Surveillance needs a separate subscription per additional channel; local camera licenses and cloud subscriptions differ.
Synology Office reference	Suggested maximum 5 users in the cited workload; not a guarantee alongside other simultaneous services.
VPN Server reference	Up to 2 connections in the cited package reference; check actual configuration.

Specifications are summarised from the manufacturer's published information (checked 2026-10-20). They describe the cited version only. Confirm the exact model, suffix and supplied revision before ordering. ISD confirms supply, price, availability and warranty separately.

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