DiskStation DS620slim

Brand: Synology
Product Code: DS620slim
Availability: 10
Weight: 1.40kg
Dimensions: 175.00mm x 151.00mm x 121.00mm

Price: 38,279.00EGP

Short Description
Synology 6 Bay NAS DS620slim

Description

When performance meets style

DS620slim is a mini 6-bay NAS with a stylish chassis design, perfectly blending in modern workplaces or apartments. Supporting near-instantaneous snapshot technology,

DS620slim is an all-around file management solution that fulfills professionals' needs of advanced data protection.

CPU

Dual-core 2GHz burst up to 2.5GHz

Memory

DDR3L 2GB, up to 6GB

Encryption Performance

Over 226 MB/s reading and 198 MB/s writing

Remain classic while shrinking footprint

The mini 6-bay design keeps DS620slim classic and saves deployment space. With six 2.5" drive support, DS620slim is able to boost performance by installing SSDs.

- **Compact Design**

  Mini design with the dimensions of 121 x 151 x 175 mm, flexible to fit in anywhere

- **RAID Flexibility**

  Flexible in a variety of RAID configurations to realize maximum 30TB raw capacity or better data protection with RAID 5/6/10

- **SSD Cache Support**

  Further enhance storage performance with SSD read/write cache while still having abundant drive bays for data storage

Btrfs: Next generation storage efficiency

The Btrfs file system introduces cutting-edge storage technologies and optimized snapshots to prevent data corruption and reduce maintenance overhead. While ensuring high-level data integrity, it also offers flexible, efficient data protection and recovery tools.

Flexible Shared Folder/User Quota System provides comprehensive quota control on all user accounts and shared folders

Snapshot Replication provides schedulable and storage capacity-saving data protection with 1,024 shared folder backups and 65,000 system-wide snapshots
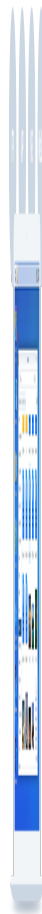
File or folder level data restoration makes data recovery fast and flexible

Automatic file self-healing detects and recovers corrupted files without user intervention

Ultimate file management and sharing

File Station is a web-based, fast and secure management tool built to allow easy, drag-and-drop operations without requiring any complex setup on Mac or PC. Advanced search and filtering tools allow for easy organization and file sharing. For complete compatibility, DS620slim supports the following protocols: AFP, FTP, iSCSI, NFS, SMB, and WebDAV.

Access and sync your files seamlessly

Synology Drive provides a built-in universal portal to access your data anytime and anywhere, and synchronize all your files across platforms, including Windows, macOS, Linux, Android, and iOS.

Sync files on demand: Save the storage space and network bandwidth of your PC.

Go back in time: Easily retrieve previous versions of your shared files.

Back up your data: Protect your files with scheduled backups or in real-time.

Stream content to your TV

Turn your Synology NAS into a home media hub and stream your digital contents to computers, mobile devices, Samsung TV, Apple TV, Google Chromecast, and DLNA devices.

Software

DSM Specifications

[Storage Management](#)	Maximum Single Volume Size	108 TB
	Maximum Internal Volume Number	64
	SSD Read/Write Cache [(Determining cache size)](#)	
	SSD TRIM	
	Supported RAID Type	- Synology Hybrid RAID - Basic - JBOD - RAID 0 - RAID 1 - RAID 5 - RAID 6 - RAID 10
	RAID Migration	- Basic to RAID 1 - Basic to RAID 5

	Volume Expansion with Larger HDDs	- RAID 1 to RAID 5 - RAID 5 to RAID 6 - Synology Hybrid RAID - RAID 1 - RAID 5 - RAID 6 - RAID 10
	Volume Expansion by Adding a HDD	- Synology Hybrid RAID - JBOD - RAID 5 - RAID 6
	Global Hot Spare Supported RAID Type	- Synology Hybrid RAID - RAID 1 - RAID 5 - RAID 6 - RAID 10
	Notes	- 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.
[File System](#)	Internal Drives	- Btrfs - ext4
	External Drives	- Btrfs - ext4 - ext3 - FAT - NTFS

		• HFS+
		• exFAT
	Notes	exFAT Access can be installed for free from Package Center in DSM 7.0. In DSM 6.2 or earlier versions, exFAT Access needs to be purchased in Package Center.
File Services	File Protocol	• SMB • AFP • NFS • FTP • WebDAV • Rsync
	Maximum Concurrent SMB/AFP/FTP Connections	500
	Maximum Concurrent SMB/AFP/FTP Connections (with RAM expansion)	1,500
	Windows Access Control List (ACL) Integration	
	NFS Kerberos Authentication	
	Notes	• Regarding data concerning tests with RAM expansion, all memory slots are installed with the maximum capacity of supported RAM. • 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 Accounts	2,048
	Maximum Local Groups	256
	Maximum Shared Folder	256
	Maximum Shared Folder Sync Tasks	8
[Hybrid Share](#)	Maximum Hybrid Share Folders	10
[Hyper Backup](#)	Folder and Package Backup	
	Entire System Backup	
	Notes	Full-system backup requires DSM 7.2 or later.
[High Availability](#)	Synology High Availability	
[Log Center](#)	Syslog Events per Second	800
Virtualization	VMware ESXi 6.5 and VAAI	
	Windows Server 2016	
	Windows Server 2019	
	Citrix Ready	
	OpenStack	
[General Specifications](#)	Supported Protocols	SMB1 (CIFS), SMB2, SMB3, NFSv3, NFSv4, NFSv4.1, NFS Kerberized sessions, iSCSI, HTTP, HTTPs, FTP, SNMP, LDAP, CalDAV
	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]()
[Central Management System]()

[Synology Chat]()	Suggested Users	1,000
	Notes	Models with expandable memory are tested with their maximum supported memory.
Download Station	Maximum Concurrent Download Tasks	80
[SAN Manager]()	Maximum iSCSI Target Number	128
	Maximum LUN LUN Clone/Snapshot, Windows ODX	256
	Notes	iSCSI Manager has been renamed to SAN Manager in DSM 7.0.
[Synology MailPlus / MailPlus Server]()	Free Email Accounts	5 [(Additional accounts require purchase of licenses)]()
	Suggested Users	250
	Maximum Server Performance	181,000 emails per day, approx. 5.5GB
	Notes	• Suggested users is derived from testing in an environment with 20% heavy users (each with 20,000 pre-populated emails and receiving 240 emails per day) and 80% light users (each receiving an average of 20 emails per day). [Learn more]() • Models with more than 4 bays were installed with two SSDs for SSD cache.

- Models with expandable memory are tested with their maximum supported memory.
- The performance of the mail system will slightly decrease in high-availability mode due to data synchronization between the two servers.
- Functions that were enabled in all of the tests above: anti-spam, anti-virus, DNSBL, greylist, content scan, full-text search (English only).

[Media Server](#) [Synology Photos](#)	DLNA Compliance Facial Recognition Object Recognition	
	Notes	Object recognition requires an upgrade of memory capacity to a minimum of 4 GB.
[Snapshot Replication](#)	Maximum Snapshots per Shared Folder	1,024
	Maximum of System Snapshots	65,536
[Surveillance Station](#)	Default Licenses	2 [(Additional cameras require purchase of licenses)](#)
	Suggested Maximum IP Cameras and Total FPS (H.264)	720p: 25 channels, 750 FPS 1080p: 25 channels, 600 FPS 3M: 25 channels, 350 FPS 5M: 20 channels, 250 FPS 4K: 12 channels, 120

	Suggested Maximum IP Cameras and Total FPS (H.265)	FPS • 720p: 25 channels, 750 FPS • 1080p: 25 channels, 750 FPS • 3M: 25 channels, 450 FPS • 5M: 25 channels, 250 FPS • 4K: 20 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	450 (the number of connections that can be maintained when the

		recommended number of hosted files was reached) 5,000,000 (applies to files indexed or hosted by [Synology Drive](). For file access through other standard protocols, refer to the File Services section above)
	Recommended Number of Hosted Files	
	Notes	- Exceeding the recommended numbers above will not block application operations, but may result in longer response time. - Utilizing SSD cache can significantly improve performance. - Models with expandable memory are tested with their maximum supported memory. - Btrfs file system and non-encrypted shared folders were used during the aforementioned testing.
[Synology Office]()	Suggested Users	1,500
	Notes	Suggested users is derived from testing in an environment with 60% idle users (each logging in and viewing documents) and 40% active users (each executing random actions at intervals of 20 to 40 seconds) operating within documents,

		each document having 30 users. [Learn more](#) • Models with expandable memory are tested with their maximum supported memory. • Client performance may affect maximum simultaneous editing users. Client PCs used for testing: Intel Core i3-3220 / 8GB RAM
[Virtual Machine Manager](#)	Recommended Virtual Machine Instances	2 [(Learn more)](#)
	Recommended Virtual DSM Number [(Licenses required)](#)	2 (including 1 Free License)
	Notes	The specifications vary depending on system configuration and memory size.
[VPN Server](#)	Maximum Connections	40

Specification

NAS	
CPU Model	Intel Celeron J3355
CPU Quantity	1
CPU Core	2
CPU Architecture	64-bit
CPU Frequency	2.0 (base) / 2.5 (turbo) GHz
Hardware Encryption Engine	YES
Memory	2 GB DDR3 non-ECC SODIMM
Drive Bays	6
Compatible Drive Type	2.5
Hot Swappable Drive	YES
RJ-45 1GbE LAN Port	2
USB 3.2 Gen 1 Port	2
System Fan	80 mm x 80 mm x 1 pcs
Power Supply Unit / Adapter	65 watts 100V to 240V AC 50/60 Hz, Single Phase
Total Memory Slots	2

Maximum Memory Capacity	6 GB (2 GB + 4 GB)

Product Gallery