DiskStation DS3622xs+

Brand: Synology
Product Code: DS3622xs+
Availability: 10
Weight: 9.80kg
Dimensions: 340.00mm x 300.00mm x 270.00mm

Price: 227,591.00EGP

Short Description

Synology 12 Bay DiskStation DS3622xs+

Description

High-performance mass storage

The 12-bay Synology DS3622xs+ is a powerhouse NAS capable of fitting into small and medium business environments with intensive and multi-user workloads. Its high capacity, scalability, and processing power make it ideal for VM and container storage, for lightning-fast file sharing, and as a network video recorder for large surveillance deployments. It comes with powerful storage management, file syncing, surveillance, and backup software, and is suitable for editing high-quality video.

CPU

Six-core Intel® Xeon® processor

Throughput

4,719 MB/s seq. read
260,691 4K random read IOPS[1]

Memory

16 GB DDR4 ECC, expandable to 48 GB

Scalability

Expand to 36 drives with two **DX1222** expansion units

Dependable storage for many scenarios

Synology NAS is a versatile storage platform that fits perfectly in file server, block storage, or application server roles that require high availability, reliability, and leading-edge storage technology.

Multi-purpose NAS storage

Keep digital assets accessible locally or remotely with easy-to-maintain shared file storage, backed by fast SMB file serving, powerful RAID options, efficient backup tools, and granular permission management.

SAN infrastructure for SMBs

Deploy certified block storage with minimal disruption thanks to easy management plugins, and leverage free snapshots paired with built-in high-availability options to maximize service availability.

Versatile business applications

Host business solutions privately and on your own terms, including a powerful backup server to protect all business assets from a centralized platform or a full-fledged surveillance platform to safeguard physical premises with transparent licensing.

Faster performance

Enjoy a smooth experience even with multiple users running demanding applications. See the numbers that make the DS3622xs+ more efficient.

Built to maximize uptime

The DS3622xs+ is built to keep mission-critical data and services accessible, so that businesses can continue to perform even when disaster strikes.

Out-of-band (OOB) management

Simplify troubleshooting by managing powered-down devices remotely and accessing critical logs through a dedicated interface.

High-availability solution

Create an active-passive cluster with minute-level failover by pairing the DS3622xs+ with an identical unit using Synology High Availability.

COM

EXPAND

2

MGMT

LAN 2

LAN 3

10Gb

Rise to the challenge

Prepare your DS3622xs+ for the heaviest workloads or upgrade flexibly as your business continues to grow. Use add-in cards to add bandwidth, fast SSD cache, or both.

Maximize bandwidth

Handle heavier I/O and serve more users with dual-port Synology 10 or 25GbE network interface cards. Integrate with any FC SAN using compatible Fibre Channel adapters.

Accelerate storage performance

Do both with one card

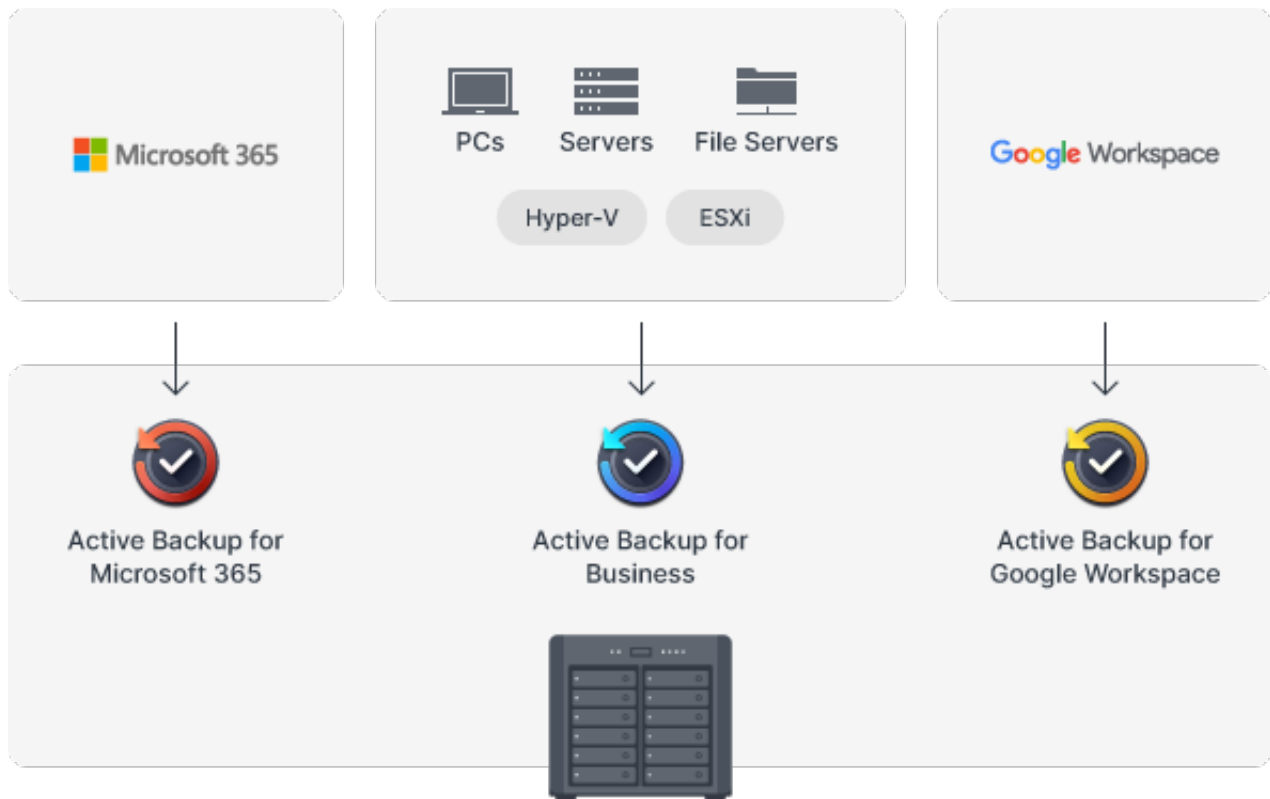**Out-of-the-box data protection**

Consolidate backups to your NAS

Active Backup Suite

Securely back up Windows clients and servers, Microsoft 365 and Google Workspace accounts, file servers, and VMware® and Hyper-V® virtual machines with the Active Backup Suite.
Leverage built-in deduplication technology to reduce backup sizes and multi-versioning to allow flexible restoration.

Implement a 3-2-1 backup strategy

Combine local and remote backup strategies to achieve fully redundant protection of your IT infrastructure using Synology and third-party solutions.

Microsoft 365

PCs   Servers   File Servers

Hyper-V   ESXi

Google Workspace

Active Backup for Microsoft 365

Active Backup for Business

Active Backup for Google Workspace

Back up your NAS to other devices

Hyper Backup

Back up files, LUNs, installed applications, and system configurations to destinations including Synology C2 Storage, public cloud platforms, USB devices, file servers, local folders, or other Synology NAS.

Set and forget backup tasks with regular schedules, enhance security with fine-grained user permissions and encryption, keep backup sizes small with built-in deduplication, and

restore data flexibly with multi-versioning.

Snapshot Replication

Snapshot Replication enables configurable point-in-time snapshots of shared folders and virtual machines with an RPO as low as 5 minutes and recovery within seconds.

Efficient collaboration and communication

Empower your workforce to collaborate, share files, and communicate from anywhere.

Synology Drive

Host your own private cloud behind the safety of your NAS with 100% data ownership and no subscription fees.

Synology Office

Synology MailPlus

Certified virtual machine storage

Synology DiskStation Manager (DSM) streamlines provisioning for and management of virtual machines with full certification for VMware® vSphere™, Microsoft® Hyper-V®, Citrix® XenServer™, and OpenStack virtualization environments.

Synology Storage Console for VMware® or Windows platforms lets you manage storage directly from your hypervisor. VMware® VAAI integration and Windows ODX help offload storage operations and speed up data transfer, and a Kubernetes CSI driver lets you provision and manage volumes directly from the K8s CLI.

Centralized surveillance for your business

Transform the DS3622xs+ into a powerful network video recorder with Synology Surveillance Station.

Secure and private

Footage stored locally is protected by industry-standard AES-256 encryption.

Scale up any time

Connect up to 90 IP cameras from a wide selection of over 7,900 validated models.

Real-time analytics

Take advantage of intelligent monitoring features and receive automatic alerts of security events.

Software
DSM Specifications

Storage Management	Maximum Single Volume Size	• 200 TB (32 GB memory required) • 108 TB
	Maximum Internal Volume Number	256
	SSD Read/Write Cache (Determining cache	

	[size)](#)	
	SSD TRIM	
	RAID Group	
	Supported RAID Type	• RAID F1 • Basic • JBOD • RAID 0 • RAID 1 • RAID 5 • RAID 6 • RAID 10
	RAID Migration	• Basic to RAID 1 • Basic to RAID 5 • RAID 1 to RAID 5 • RAID 5 to RAID 6
	Volume Expansion with Larger HDDs	• RAID F1 • RAID 1 • RAID 5 • RAID 6 • RAID 10
	Volume Expansion by Adding a HDD	• RAID F1 • JBOD • RAID 5 • RAID 6
	Global Hot Spare Supported RAID Type	• RAID F1 • 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. • Volumes over 108 TB require 32 GB of memory or more.
[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	4,000
	Maximum Concurrent SMB/AFP/FTP Connections (with RAM expansion)	10,000
	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. - During testing, the maximum number of SSDs supported by this model is installed in a RAID 5 configuration. - 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	16,000
	Maximum Local Groups	512
	Maximum Shared Folder	512
	Maximum Shared Folder Sync Tasks	32
Hybrid Share	Maximum Hybrid Share Folders	15
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	3,000
Virtualization	VMware ESXi 6.5 and VAAI	
	Windows Server 2022	
	Citrix Ready	
	OpenStack	
General Specifications	Supported Protocols	SMB1 (CIFS), SMB2, SMB3, NFSv3, NFSv4, NFSv4.1, NFS Kerberized sessions, iSCSI, Fibre Channel, 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	500
	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	256
	Maximum LUN LUN Clone/Snapshot, Windows ODX	512
[Synology MailPlus / MailPlus Server]()	Free Email Accounts	5 [(Additional accounts require purchase of licenses)]()
	Suggested Users	7,000
	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](#)

- 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).
- Models with expandable memory are tested with their maximum supported memory. To estimate the RAM requirement for your NAS, please [read this article](#).

[Media Server](#)	DLNA Compliance	
[Synology Photos](#)	Facial Recognition	
	Object Recognition	
[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)	1080p: 90 channels, 2250 FPS 3M: 90 channels, 1500 FPS 5M: 90 channels, 900 FPS 4K: 55 channels, 550

Suggested Maximum IP Cameras and Total FPS (H.265)	FPS - 1080p: 90 channels, 2700 FPS - 3M: 90 channels, 2250 FPS - 5M: 90 channels, 1500 FPS - 4K: 90 channels, 1080 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 number of streams that can be viewed simultaneously is **twice** the suggested maximum number of cameras. For example, if the suggested maximum number of cameras for a model is 10

		under H.264, 1080p, the model can support up to 20 streams of the same specification at the same time.
Synology Drive	Recommended Number of Concurrent Sync Clients	1,800 (the number of connections that can be maintained when the recommended number of hosted files was reached)
	Recommended Number of Hosted Files	50,000,000 (applies to files indexed or hosted by Synology Drive. For file access through other standard protocols, refer to the File Services section above)
	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	12,500
	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	12 (Learn more)
	Recommended Virtual DSM Number (Licenses required)	12 (including 1 Free License)
	Notes	The specifications vary depending on system configuration and memory size.
VPN Server	Maximum Connections	60

Specification

NAS	
CPU Model	Intel Xeon D-1531
CPU Quantity	1
CPU Core	6
CPU Architecture	64-bit
CPU Frequency	2.2 (base) / 2.7 (turbo) GHz
Hardware Encryption Engine	Yes
Memory	16 GB DDR4 ECC SODIMM
Drive Bays	12

Hot Swappable Drive	Yes
RJ-45 1GbE LAN Port	2
USB 3.2 Gen 1 Port	2
System Fan	120 mm x 120 mm x 2 pcs
Power Supply Unit / Adapter	550 watts
Total Memory Slots	4
Maximum Memory Capacity	48 GB (8 GB x 2 + 16 GB x 2)
Expansion Port	2
PCIe Expansion	1 x Gen3 x8 slot (x8 link)

Product Gallery