

## DiskStation DS3622xs+



**Brand:** Synology

**Product Code:** DS3622xs+

**Availability:** 10

**Weight:** 9.80kg

**Dimensions:** 340.00mm x 300.00mm x  
270.00mm

**Price:** \$227,591.00

### 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.



Six-core Intel® Xeon® processor



## Throughput

4,719 MB/s seq. read  
260,691 4K random read IOPS<sup>1</sup>



## 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.



## **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**

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**Consolidate backups to your NAS**



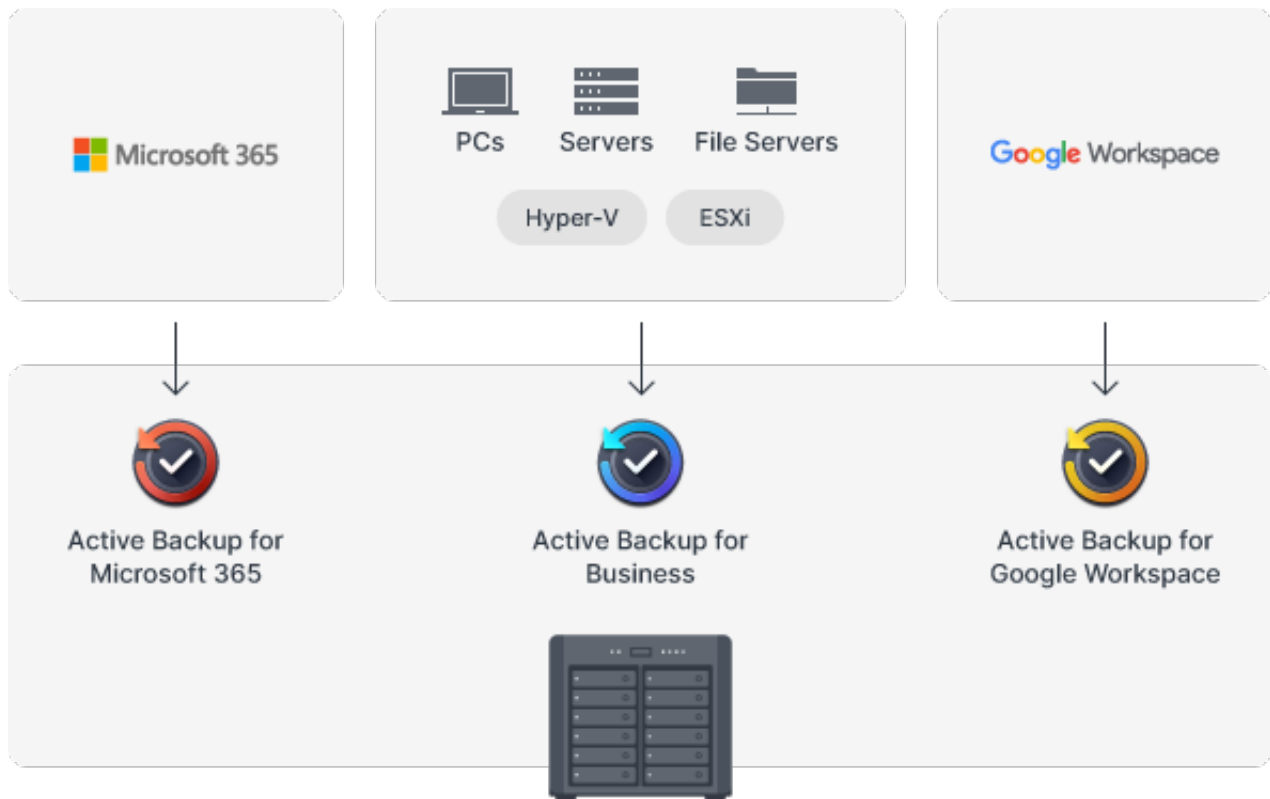
## **Active Backup Suite**

Securely back up Windows clients and servers, Microsoft 365 and Google Workspace accounts, file servers, and VMware<sup>®</sup> and Hyper-V<sup>®</sup> 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.



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## 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<sup>®</sup> vSphere<sup>™</sup>, Microsoft<sup>®</sup> Hyper-V<sup>®</sup>, Citrix<sup>®</sup> XenServer<sup>™</sup>, and OpenStack virtualization environments.

Synology Storage Console for VMware<sup>®</sup> or Windows platforms lets you manage storage directly from your hypervisor. VMware<sup>®</sup> 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    256  
Number

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 4,000

SMB/AFP/FTP Connections

Maximum Concurrent 10,000

SMB/AFP/FTP Connections

(with RAM expansion)

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
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#### [Hyper Backup](#)

Folder and Package Backup	
Entire System Backup	
Notes	Full-system backup requires DSM 7.2 or later.

#### [High Availability](#)

#### [Log Center](#)

#### Virtualization

Synology High Availability	
Syslog Events per Second	3,000
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	<ul style="list-style-type: none"> <li>• Chrome</li> </ul>

- 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](#)  
[Synology Photos](#)

DLNA Compliance  
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)

Notes

FPS

- 1080p: 90 channels, 2700 FPS
- 3M: 90 channels, 2250 FPS
- 5M: 90 channels, 1500 FPS
- 4K: 90 channels, 1080 FPS
- 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  
Notes

12,500

- 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**



