

Datasheet



DiskStation

DS3622xs+

Synology

DS3622xs+



Scalable Mass Storage With Fast Connectivity

Synology DiskStation DS3622xs+ is a 12-bay tower server NAS for businesses that need large and powerful storage. The DS3622xs+ matches high capacity with strong processing capabilities, making it ideal for business surveillance, virtual machine storage, and video editing. Its storage capacity is easily tripled with two 12-bay DX1222 expansion units. Connectivity, storage, and memory are easily expandable to handle even more demanding workloads. Coupled with a large offering of business applications available for Synology DiskStation Manager (DSM), the DS3622xs+ is much more than a storage device.

- **High-Performance Storage**
Over 320,000 4K random read IOPS and 4,600/2,500 MB/s sequential read/write performance¹
- **More Than a Storage Server**
Consolidate and host backup or video management systems, virtual machines, and more thanks to a capable 6-core Intel® Xeon® processor
- **Supports Heavy Applications**
Leverage up to 48 GB memory, 10/25GbE networking,² Fibre Channel support,³ or NVMe SSD Cache⁴ to boost read and write speeds
- **Easy Capacity Expansion**
Scale up to 36 drive bays with two 12-bay DX1222 expansion units⁵
- **Long-Term Support**
Backed by Synology's 5-year limited warranty⁶

Powerful Turnkey Storage That Grows With Your Business

The DS3622xs+ can quickly fit into businesses that need fast performing and scalable storage. The powerful tower server offers storage space equivalent to 2U rackmount NAS models.

- Over **4,600 MB/s sequential read** and **2,500 MB/s sequential write performance** support multi-user and demanding applications¹
- Supports **12 SATA HDD/SSD 2.5"/3.5" bays**⁷ and can be expanded on the fly to up to **36 drives** with two additional Synology **DX1222** expansion units⁵
- Reduce IT footprint comfortably by leveraging the **6-core Intel® Xeon® processor** to consolidate legacy servers through add-on applications, virtual machines, or containers
- Built-in **dual 10GbE RJ-45 ports** and **three Gigabit ports** enable fast networking right out of the box
- Boost bandwidth with **10GbE SFP+/RJ-45** and **25GbE SFP28 NICs**,² install a **Fibre Channel** adapter,³ drive down latency with **NVMe SSD cache**,⁴ or add both 10GbE and NVMe SSD with a **combination card**
- Dedicated **out-of-band management (OOB)** port helps system administrators to reduce maintenance and troubleshooting efforts

Optimized for Data Protection and Integrity

Safeguard your data with user management and system administration tools on Synology's **DiskStation Manager (DSM)** coupled with powerful storage technology and an advanced Btrfs file system.

- **Advanced snapshot technology** provides schedulable and near-instantaneous data protection for shared folders and LUNs
- **File and folder-level data restoration** enables recovery of specific files or folders
- **Configurable storage quotas** help admins manage available space by specifying storage limits for shared folders
- **File self-healing** detects and recovers corrupted files using mirrored metadata and RAID configurations
- **Inline compression** minimizes storage consumption and extends the life of drives by compressing data before it is written to the storage pool

Complete IT Infrastructure Backup Solutions

The DS3622xs+ comes with a complete package of backup solutions available on DSM at no extra cost.

- **Active Backup Suite** consolidates backup tasks and offers rapid restoration of Windows PCs and servers, VMs, other file servers, and SaaS applications
- **Snapshot Replication** creates point-in-time copies of shared folders and LUNs to protect them from accidental modifications or ransomware incidents
- **Hyper Backup** protects your NAS by backing up data and configurations to multiple destinations with efficiency delivered by built-in deduplication, integrity checks, compression, and versioning
- **C2 Storage for Hyper Backup** offers a dedicated secure public cloud destination for Synology NAS backup data⁸

Work and Collaborate From Anywhere

Synology's productivity suite provides a private cloud solution for on-site and remote workers to concurrently edit documents, share files, manage emails, send instant messages, and more.

By leveraging private cloud infrastructure, businesses can ensure complete data ownership and multi-layered security.

- **Synology Office** lets multiple users edit, comment on, and share files together using Synology Documents, Spreadsheets, and Slides
- **Synology Drive** is a cloud file management solution that supports remote data access, synchronization, on-demand file restoration, and backup
- **Synology Chat** brings teams together with one-on-one chats, group chats, and encrypted private channels over multiple platforms
- **Synology MailPlus**⁹ provides a secure, reliable, and private email server
- **Synology Calendar** helps teams keep track of what is most important with convenient calendar sharing and scheduling
- **Synology Hybrid Share** combines reliable on-premises storage and efficient syncing of shared folders in the cloud to enable seamless cross-site synchronization and local access at LAN speed

Private Video Surveillance Solution

Transform the DS3622xs+ into a powerful Network Video Recorder solution with support for up to 90 IP cameras with **Synology Surveillance Station**.¹⁰

- 7,900+ supported camera models
- ONVIF support prevents vendor lock-in
- Private, subscription-free storage of recordings
- Access through web browsers, desktop clients, or mobile apps
- Event-based rules to trigger specific actions
- Email, SMS, or push notification options

Virtualization and Certified Storage

The DS3622xs+ can serve as virtual machine storage, host its own virtual machines (VMs) using **Synology Virtual Machine Manager (VMM)**, and run **Container Manager**.

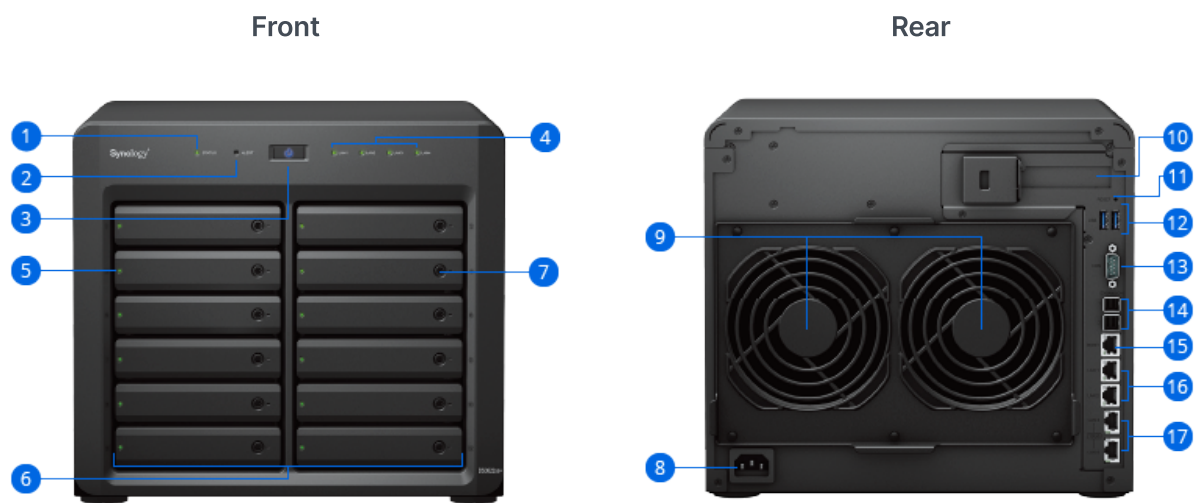
Virtualization solutions in DSM streamline provisioning for and management of VMs with full certification for **VMware® vSphere™**, **Microsoft® Hyper-V®**, **Citrix® XenServer™**, and **OpenStack** virtualization environments. A **Kubernetes CSI plugin** provides integrated volume management.

- **Synology Virtual Machine Manager** is a hosted hypervisor for VMs running Windows®, Linux®, or virtualized versions of DSM with recovery mechanisms that ensure data protection on each VM¹¹
- **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

Notes:

1. Performance figures are obtained through internal testing by Synology. Actual performance may vary depending on the testing environment, usage, and configuration. See performance charts for more information.
2. For the most up-to-date list of compatible NICs, please check our [compatibility list](#).
3. Fibre Channel support can be enabled with a compatible PCIe FC Host Bus Adapter. For the most up-to-date list of compatible HBAs, please check our [compatibility list](#).
4. SSD cache can be enabled using SNV3500 NVMe SSDs with a M2D20 or E10M20-T1 adapter card, or by using compatible 2.5" SATA SSDs. All devices sold separately.
5. DS3622xs+ supports up to 36 drives by connecting two Synology DX1222 expansion units, sold separately.
6. The warranty period starts from the date of purchase as stated on your purchase receipt. [Learn more](#) about our limited product warranty policy.
7. Check our [compatibility list](#) for supported drives.
8. C2 Storage for Hyper Backup requires purchase of an [annual or monthly subscription](#). A 30-day free trial is available for each newly registered device.
9. Five MailPlus email accounts are included. Additional email accounts can be added with the purchase of Synology MailPlus License Packs. [Learn more](#)
10. Surveillance Station includes two free licenses. Connecting more cameras and devices requires additional licenses. [Learn more](#)
11. Certain advanced features require [Virtual Machine Manager Pro](#). One Virtual DSM license is included. Additional Virtual DSM instances require the purchase of [Virtual DSM Licenses](#).

Hardware Overview



No.	Name	No.	Name
1.	Status Indicator	10.	PCIe Expansion Slot
2.	Alert Indicator	11.	Reset Button
3.	Power Button	12.	USB 3.2 Gen 1 Ports
4.	LAN Indicators	13.	Console Port
5.	DRIVE Status Indicators	14.	Expansion Ports
6.	Drive Trays	15.	Management Port
7.	Drive Tray Locks	16.	1GbE RJ-45 Ports
8.	Power Port	17.	10GbE RJ-45 Ports
9.	System Fans		

Technical Specifications

Hardware

CPU	
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	
System Memory	16 GB DDR4 ECC SODIMM
Memory Module Pre-installed	16 GB (8 GB x 2)
Total Memory Slots	4
Maximum Memory Capacity	48 GB (8 GB x 2 + 16 GB x 2)
Notes	Please select Synology memory modules for optimum compatibility and reliability. Synology will not provide complete product warranty or technical support if non-Synology memory modules are used for memory expansion.

Storage	
Drive Bays	12
Maximum Drive Bays with Expansion Unit	36 (DX1222 × 2)
Drive Type	<ul style="list-style-type: none"> • 3.5" SATA HDD • 2.5" SATA HDD • 2.5" SATA SSD
Hot Swappable Drive	Yes
Notes	Synology only guarantees full functionality, reliability, and performance for Synology drives listed on the compatibility list . The use of non-validated components may limit certain functionality and result in data loss and system instability.

External Ports	
RJ-45 1GbE LAN Port	2
RJ-45 10GbE LAN Port	2
Out-of-Band Management LAN Port	1
USB 3.2 Gen 1 Port	2
Expansion Port	2

PCIe	
PCIe Expansion	1 x Gen3 ×8 slot (x8 link)

Appearance	
Size (Height x Width x Depth)	270 mm x 300 mm x 340 mm
Weight	9.8 kg

Others	
System Fan	120 mm x 120 mm x 25 mm x 2 pcs
AC Input Power Voltage	100V to 240V AC
Power Frequency	50/60 Hz, Single Phase

Temperature	
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to 60°C (-5°F to 140°F)
Operating Humidity	8% to 80% RH
Storage Humidity	5% to 95% RH
Maximum Operating Altitude	5,000 m

General DSM Specifications

Storage Management	
Maximum Single Volume Size	<ul style="list-style-type: none"> 200 TB (32 GB memory required) 108 TB
Maximum Internal Volume Number	256
SSD Read/Write Cache (Determining cache size)	Yes
Supported RAID Type	RAID F1,Basic,JBOD,RAID 0,RAID 1,RAID 5,RAID 6,RAID 10
Notes	<ul style="list-style-type: none"> Volumes over 108 TB require 32 GB of memory or more. Actual maximum storage pool and volume sizes depend on drive sizes used, the number of drive bays available, and the RAID configuration. 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.

File System

Internal Drives	Btrfs,ext4
External Drives	Btrfs,ext4,ext3,FAT32,NTFS,HFS+,exFAT

File Services

File Protocol	SMB,AFP,NFS,FTP,WebDAV,Rsync
Maximum Number of SMB Connections (FSCT-Based)	600
Windows Access Control List (ACL) Integration	Yes
NFS Kerberos Authentication	Yes

Account & Shared Folder

Maximum Local User Accounts	5,120
Maximum Local Groups	512
Maximum Shared Folder	512
Maximum Shared Folder Sync Tasks	16

Virtualization

VMware vSphere	ESXi 8.0 U2, ESXi 8.0 U1, ESXi 8.0, ESXi 7.0 U3, ESXi 7.0 U2, ESXi 7.0 U1, ESXi 7.0, ESXi 6.7 U3, ESXi 6.7 U2, ESXi 6.7 U1, ESXi 6.7, ESXi 6.5 U3, ESXi 6.5 U2, ESXi 6.5 U1, ESXi 6.5
Microsoft Hyper-V	Windows Server 2022
Citrix XenServer	XenServer 8, Citrix Hypervisor 8.2 LTSR CU1
OpenStack	Cinder

Security

Firewall, encryption shared folder, SMB encryption, FTP over SSL/TLS, SFTP, rsync over SSH, login auto block, Let's Encrypt support, HTTPS (customizable cipher suite)

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, Русский, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, Český, ภาษาไทย, 日本語, 한국어, 繁體中文, 简体中文
Notes	For an updated list of supported browser versions, check the DSM Technical Specifications .

Packages and Applications

Synology AI Console

Centralize AI management with flexible configurations for AI model integration, user access control, data privacy, usage policies, and resource allocation

Third-Party AI Model Integration	v
Maximum De-Identification Rate	600 words per second
Notes	<ul style="list-style-type: none">De-identification performance measurement: Filters for Credit Card Numbers, IBAN, Individual Taxpayer Identification Number, SSN, and Names applied to a 4,355-word English text.To enable de-identification, your device must have at least 8 GB of memory and Container Manager installed.

Synology Drive

Synchronizes files across Windows®, macOS®, Linux®, Android™ and iOS. The built-in cross-platform portal allows access to data anytime and anywhere

Maximum Number of Users	1,100
Maximum Number of Hosted Files	15,000,000 (applies to files indexed or hosted by Synology Drive . For file access through other standard protocols, refer to the File Services section above)

File Station

Provides virtual drives, remote folders, Windows® ACL editor, compression/extraction of archived files, bandwidth control for specific users/groups, creation of sharing links, and transfer logs

Hybrid Share

Synchronize data across multiple sites for fast and efficient multi-site teamwork. Powered by Synology C2 Storage, Hybrid Share requires purchase of a monthly or annual subscription

SAN Manager

Maximum iSCSI Target Number	128
Maximum LUN	256
LUN Clone/Snapshot, Windows ODX	Yes

Virtual Machine Manager

Recommended Virtual Machine Instances	12 (Learn more)
Recommended Virtual DSM Number (Licenses required)	12 (including 1 Free License)

Hyper Backup

Supports local backup, network backup, and data backup to other servers and public clouds, including C2 Storage

Snapshot Replication

Maximum Snapshots per Shared Folder	512
Maximum of System Snapshots	16,384

Synology High Availability

Reduces service downtime by combining two identical NAS into a high-availability cluster

Synology Chat

Maximum Number of Users	500
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Synology Office

Maximum Number of Users	1,100
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Synology MailPlus / MailPlus Server

A secure, reliable, and private mail solution featuring high-availability, load balancing, security, and filtering options

Free Email Accounts	5 (Additional accounts require purchase of licenses)
Maximum Number of Users	1,300

Surveillance Station

Default Licenses	2 (Additional cameras require purchase of licenses)
Suggested Maximum IP Cameras and Total FPS (H.264)	<ul style="list-style-type: none">• 1080p: 90 channels, 2250 FPS• 3M: 90 channels, 1500 FPS• 5M: 90 channels, 900 FPS• 4K: 55 channels, 550 FPS
Suggested Maximum IP Cameras and Total FPS (H.265)	<ul style="list-style-type: none">• 1080p: 90 channels, 2700 FPS• 3M: 90 channels, 2250 FPS• 5M: 90 channels, 1500 FPS• 4K: 90 channels, 1080 FPS

Central Management System

Provides a single interface to manage and monitor multiple Synology NAS

VPN Server

Maximum Connections

16

Other packages

Additional 3rd-party packages are available in the Package Center

Environment & Packaging

Environment safety

RoHS Compliant

Packaging Content

- Main Unit X 1
- Accessory Pack X 1
- AC Power Cord X 1
- RJ-45 LAN Cable X 2
- Quick Installation Guide X 1

Optional Accessories

- DDR4 ECC SODIMM: [D4ES02-8G/D4ES01-16G](#)
- Expansion Units: [DX1222](#)
- Enterprise Series 3.5" SATA HDD: [HAT5300 Series](#)
- Plus Series 3.5" SATA HDD: [HAT3300 Series](#)
- Enterprise Series 2.5" SATA SSD: [SAT5200 Series](#)
- M.2 SSD & 10GbE Combo Adapter Card: [E10M20-T1](#)
- M.2 SSD Adapter Card: [M2D20](#)
- 25GbE Network Interface Card: [E25G30-F2](#)
- 10GbE Network Interface Card: [E10G30-F2/E10G30-T2/E10G18-T1](#)

Warranty

5 Years

Notes

The warranty period starts from the purchase date as stated on your purchase receipt. ([Learn more](#))

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