Synology®

DiskStation
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.

Highlights

- **High-Performance Storage**
  Over 260,000 4K random read IOPS and 4,700/2,400 MB/s sequential read/write performance[1]
- **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 Cache[4] to boost read and write speeds
- **Easy Capacity Expansion**
  Scale up to 36 drive bays with two 12-bay DX1222 expansion units[5]
- **Long-Term Support**
  Backed by Synology's 5-year limited warranty[6]

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 **4,719 MB/s sequential read** and **2,402 MB/s sequential write performance** support multi-user and demanding applications[1]
- 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 units[5]
- 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

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Next-Generation File System

Btrfs is a modern file system designed to safeguard data integrity through metadata mirroring, file self-healing, and fast snapshot replication.

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
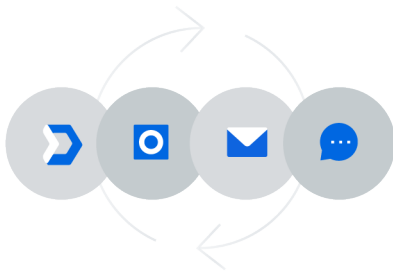
Complete IT Infrastructure Backup Solutions

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 data[8]

Synology Backup Solutions

DSM backup solutions are designed to be low-maintenance and efficient, delivering low RPO and RTO targets and offering a large selection of backup destinations for a variety of workloads.

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

Synology Productivity Suite

A powerful and secure private cloud solution that lets teams collaborate, sync files, and communicate with others anytime, anywhere.

Round-the-clock Security

Protect your business with Synology's reliable and intuitive video management system (VMS) solution. Surveillance Station combines intelligent monitoring and robust management features for flexible deployment scenarios.

Flexible VM Protection

Use comprehensive tools on DSM to protect your VM data stored through iSCSI, NFS, or running directly on the DS3622xs+ with Virtual Machine Manager.

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 **Docker** containers.

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.
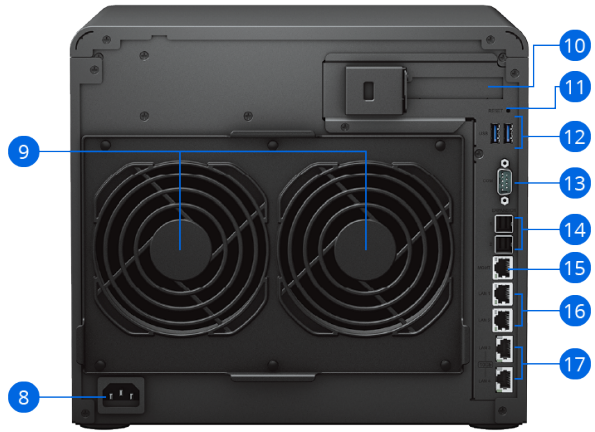
- **Synology Virtual Machine Manager** is a hosted hypervisor for VMs running Windows®, Linux®, or virtualized versions of DSM with recovery mechanisms that ensure data protection on each VM[11]
- **Synology Storage Console** for VMware® or Windows® platforms lets you manage storage directly from your hypervisor. VMware® VAAI integration and Windows® ODX help offload storage operations and speed up data transfer

Hardware Overview

Front

Rear

1	Status Indicator	2	Alert Indicator	3	Power Button	4	LAN Indicators
5	Drive Status Indicators	6	Drive Trays	7	Drive Tray Locks	8	Power Port
9	Fans	10	PCIe Expansion Slot	11	Reset Button	12	USB 3.2 Gen 1 Ports
13	Console Port	14	Expansion Port	15	Management Port	16	1GbE RJ-45 Ports
17	10GbE RJ-45 Ports						

Technical Specifications

Hardware

CPU	Intel® Xeon® D-1531 6-core (12-thread) 2.2 GHz, turbo boost up to 2.7 GHz
Hardware encryption	AES-NI
Memory	16 GB DDR4 ECC SODIMM (expandable up to 48 GB)
Compatible drive types	• 12 x 3.5" or 2.5" SATA HDD/SSD (drives not included) • Only drives listed on the compatibility list can be used to create storage pools[7]
Hot swappable drives	Yes
External ports	• 2 x USB 3.2 Gen 1 ports • 2 x Expansion ports (Mini-SAS HD)
Form factor	Desktop
Size (HxWxD)	270 x 300 x 340 mm
Weight	9.8 kg
LAN ports	• 1 x 1GbE RJ-45 (out of band management and data transfer) • 2 x 1GbE RJ-45 (data transfer) • 2 x 10GbE RJ-45
Wake on LAN/WAN	Yes (only on 1GbE ports)
Out-of-band management	Yes (on first 1GbE port) • Power on/off/reboot • Access system console
PCIe Expansion	• 1 x 8 width slot, Gen 3.0 x8 lanes • Supports network interface cards,[3] M.2 NVMe adapter cards for SSD cache,[4] Fibre Channel host bus adapters,[3] and 10GbE/M.2 NVMe adapter combination cards
Scheduled power on/off	Yes
System fans	2 x (120 x 120 x 25 mm)
AC input power voltage	100 V to 240 V AC
Power frequency	50/60 Hz, single phase
Operating temperature	5°C to 40°C (32°F to 104°F)

Storage temperature	-20°C to 60°C (-5°F to 140°F)
Relative humidity	5% to 95% RH
Maximum operating altitude	5,000 m (16,400 ft)

General DSM Specifications

Networking protocols	SMB, AFP, NFS, FTP, WebDAV, CalDAV, iSCSI, Fibre Channel,[3] Telnet, SSH, SNMP, and VPN (PPTP, OpenVPN™, L2TP)
File systems	• Internal: Btrfs, ext4 • External: Btrfs, ext4, ext3, FAT32, NTFS, HFS+, exFAT
Supported RAID types	Synology RAID F1, Basic, JBOD, RAID 0, RAID 1, RAID 5, RAID 6, and RAID 10
Storage management	• Max. single volume size: 108TB/200TB[12] • Max. number of system snapshots: 65,536[13] • Max. number of internal volumes: 256
SSD cache[4]	• Read/write cache support • M.2 NVMe[4] or 2.5" SATA SSD support
Out-of-band (OOB) management	Power on, shutdown, force shutdown, force reboot, reset system, view DSM logs, monitor DSM logs, view OOB logs
File sharing capabilities	• Max. number of local user accounts: 16,000 • Max. number of local groups: 512 • Max. number of shared folders: 512 • Max. number of concurrent SMB/NFS/AFP/FTP connections: 4,000 (10,000 with RAM expansion)[14]
Privileges	Windows® Access Control List (ACL) and application privileges
Directory services	Connects with Windows® AD/LDAP servers enabling domain users to login via SMB/NFS/AFP/FTP/File Station using their existing credentials
Virtualization	VMware vSphere®, Microsoft Hyper-V®, Citrix®, OpenStack, and Kubernetes
Security	Firewall, shared folder encryption, SMB encryption, FTP over SSL/TLS, SFTP, rsync over SSH, login auto block, Let's Encrypt support, and HTTPS (customizable cipher suite)
Supported browsers	Google Chrome®, Firefox®, Microsoft Edge®, Safari® 13 and later, and Safari (iOS 13.0 and later) on iPad, Chrome (Android™ 11.0 and later) on tablets
Interface languages	English, Deutsch, Français, Italiano, Español, Dansk, Norsk, Svensk, Nederlands, Русский, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, Český, ภาษาไทย, 日本語, 한국어, 繁體中文, 简体中文

Packages and Applications

File Server & Synchronization	
Cloud Sync	Offers one or two-way synchronization with public cloud storage providers including Alibaba Cloud OSS, Backblaze B2, Baidu Cloud, Box, Dropbox, Google Cloud Storage, Google Drive, hubiC, MegaDisk, Microsoft OneDrive, OpenStack Swift-compatible storage, Tencent COS, WebDAV servers and Yandex Disk
Drive	Synchronizes files across Windows®, macOS®, Linux®, Android™ and iOS. The built-in cross-platform portal allows access to data anytime and anywhere • Max. number of hosted files: 3,000,000 • Max. number of concurrent connections for PC clients: 1,800
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
FTP Server	Supports bandwidth control for TCP connections, custom FTP passive port ranges, anonymous FTP, FTP over TLS/SSL and SFTP protocols, network booting with TFTP and PXE support, and transfer logs
Hybrid Share	Efficiently synchronizes files across sites by keeping shared data on Synology C2 Storage and streaming files to Synology NAS worldwide on request. Frequently requested files are cached at each site for low-latency access
Migration Assistant	Migrates data, system setting, and applications seamlessly from one Synology NAS to another to ensure maximum service availability
Presto File Server[15]	Enables high-speed data transfer over WAN through the exclusive SITA technology between Synology NAS and desktop platforms
Universal Search	Search through files, metadata, and more on your NAS. Integration with Windows Search and macOS Spotlight makes it easy to find files

SAN Storage & Virtualization

SAN Manager	• Max. number of iSCSI targets: 256 • Max. number of LUNs: 512 • LUN clone/snapshot support
Virtual Machine Manager	Supports running Windows®, Linux®, and Virtual DSM-based virtual machines on Synology NAS

Data Protection & Backup Solution

Active Backup for Business	An all-in-one backup solution designed for heterogeneous business IT environments. It enables IT admins to remotely manage and protect PCs, servers, and VMs from one centralized console
Active Backup for Google Workspace	Supports backup and restoration of Google Workspace My Drive, Team Drive, Gmail, Contacts, and Calendar
Active Backup for Microsoft 365	Supports backup and restoration of Microsoft 365 OneDrive for Business, Outlook, Contacts, and Calendar
Backup tools	• DSM configuration backup, macOS® Time Machine® support, Synology Drive Client desktop application • Shared folder sync supports a maximum of 32 tasks
Hyper Backup	Supports local backup, network backup, and data backup to other servers and public clouds, including C2 Storage
Snapshot Replication	• Maximum number of snapshots for shared folders: 1,024 • Maximum number of replications: 64
Synology High Availability	Reduces service downtime by combining two identical NAS into a high-availability cluster

Productivity & Collaboration

Collaboration tools	Collaborate with instant messaging service Synology Chat, online documents editor Synology Office, and scheduling assistant Synology Calendar • Max. number of users for Chat: 4,000 • Max. number of users for Office: 2,900 • Calendar supports CalDAV and access via mobile devices
Note Station	A note taking platform that supports rich text, note organization and versioning, encryption, sharing, media embedding, and attachments
Synology MailPlus	An intuitive webmail interface for Synology MailPlus Server with configurable mail labels, filters, and user interface
Synology MailPlus Server[9]	A secure, reliable, and private mail solution featuring high-availability, load balancing, security, and filtering options

Multimedia

Synology Photos	An efficient photo management solution for professional and amateur photographers. Automated tools allow users to group, filter, organize, and share content while keeping their photos safe and secure
Other packages	Video Station, Audio Station, and iTunes® Server

Surveillance

Surveillance Station[10]	Maximum IP cameras: 90, for a total of 2,700 FPS at 720p (H.264)

Management & Administration

Active Insight	Gain useful intelligence, including health statistics of all NAS deployments across multiple sites and actionable advice to solve any issues, on a centralized cloud-hosted management platform
Antivirus Essential	Provides full system scans, scheduled scans, white list customization, and auto-update of virus definitions
Central Management System	Provides a single interface to manage and monitor multiple Synology NAS
Storage Analyzer	Displays volume and quota usage, total size of files, volume usage and trends based on past usage, size of shared folders, large files, most recently modified files, and least recently accessed files
Synology Directory Server	Provides a flexible and cost-effective domain controller solution
VPN Server	• Maximum connections: 60 • Supported VPN protocols: PPTP, OpenVPN™, L2DTP/IPSec
Web Station	Enables hosting for up to 30 websites with support for PHP/MariaDB® and 3rd-party applications
Other packages	DNS Server, RADIUS Server, and Log Center

Others

iOS/Android™ applications	Synology Drive, Synology MailPlus, Synology Secure SignIn, Synology Chat, Synology LiveCam, Synology Photos, Synology Active Insight, DS audio, DS photo, DS video, DS cam, DS file, DS finder, and DS note
Other packages	Additional 3rd-party packages are available in the Package Center

Environment and Packaging

Environmental safety	RoHS compliant
Package contents	• 1 x DS3622xs+ main unit • 1 x Quick Installation Guide • 1 x Accessory pack • 1 x AC power cord • 2 x RJ-45 LAN cables
Optional accessories[16]	• DDR4 ECC SODIMM: D4ES02-8G / D4ES01-16G • 10GbE Network Interface Cards: E10G21-F2 / E10G18-T2 / E10G18-T1 • 25GbE Network Interface Cards: E25G21-F2 • M.2 SSD & 10GbE Combo Adapter Card: E10M20-T1 • M.2 SSD Adapter Cards: M2D20 • 2.5" SATA SSD: SAT5200 • 3.5" SATA HDD: HAT5300 • Expansion Unit: DX1222 • VisualStation units: VS360HD • MailPlus License Pack[9] • Surveillance Device License Pack[10] • Virtual DSM License Pack[11]
Warranty	5 years[6]

Note: Model specifications are subject to change without notice. Please refer to **www.synology.com** for the latest information.

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 **compatiblity 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 SNV3400/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**.
12. Volumes up to 108 TB are supported with the default installed memory. Volumes up to 200 TB can be created if the memory is upgraded to 48 GB. **Learn more** about maximum volume sizes.
13. System snapshots include snapshots taken by SAN Manager, Snapshot Replication, and Virtual Machine Manager. Availability of these packages varies by model.
14. Maximum concurrent connections can be increased to 10,000 with maximum installed memory of 48 GB RAM.
15. Presto File Server license can be purchased separately through the application.
16. Please refer to our **compatibility list** for the latest optional accessories list.