

# SA3410

**Brand:** Synology  
**Product Code:** SA3410  
**Availability:** 10  
**Weight:** 14.50kg  
**Dimensions:** 88.00mm x 482.00mm x  
724.00mm  
**Call for Price:**

## Short Description

Synology 12-Bay Rackmount NAS SA3410 (Diskless)

## Description

### When scalability meets performance

The Synology SA3610 and SA3410 are designed for on-demand scalability and offer up to 1.9 PB of storage when fully expanded. They let enterprise data centers, studios, and growing businesses store large data volumes without sacrificing speed and performance.



### Fast and reliable

Over 6,200/3,000 MB/s seq. read/write, built-in 10GbE, and hardware and software

redundancy.



### **Expand and adjust**

Add up to 84 extra drive bays, 40GbE or Fibre Channel, and SSD cache volumes whenever needed.



### **Host core applications**

Back up 1,000+ endpoints, manage 128 IP cameras, or provide mailboxes for up to 1,600 users.

## **Flexibly expand storage capacity**

Scale up your SA3610 and SA3410 flexibly to meet growing data demands whenever needed. Increase your storage capacity by adding up to seven 12-bay RX1222sas expansion units as your deployment grows.



## **Networking capabilities**

Built-in dual 10GbE RJ-45 ports allow for high-speed network transmission right out of the box. Users can also boost network redundancy and bandwidth by adding optional 10/25/40GbE and Fibre Channel adapter cards into the two available PCIe 3.0 expansion slots.

## **Reliable and dependable**

Protect your data and leverage hardware and software safeguards to ensure data and service availability in the face of disasters or malicious attacks.

### **Data mirroring**

Create a Synology High Availability (SHA) cluster on your servers to minimize data loss and enjoy minute-level failover with two SA3610 or SA3410 to act as active and passive servers.

**Dual power supply**

**Remote management**

**Data resiliency**

**Versatile data storage**

Consolidate business data, backup data, and more in a highly scalable server.



File server





Backup repository



Business application platform

## **File server**

Utilize SA3610 and SA3410's storage capacity and flexible expansion capabilities to host large amounts of data on a central repository.

---

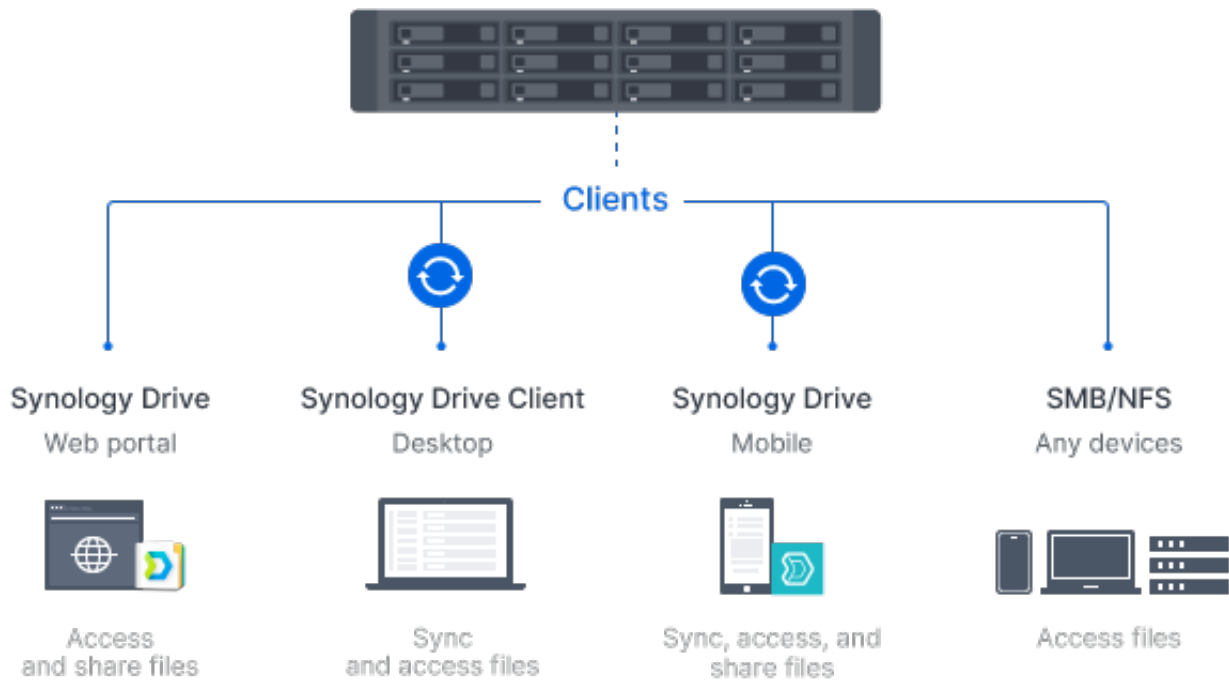
## **Private cloud**

### **Share and sync files with an all-in-one private cloud solution**

Empower employees across your organization to access, edit, and share corporate files securely and conveniently from desktop, mobile, or web browser platforms. Leverage powerful admin tools to track and set file permissions and control access to documents and files.

### **Enforce company policies with Windows AD and SMB/NFS**

Configure and implement group policies for groups of users using access control lists (ACL) through Windows Active Directory/LDAP integration. Enable user access to files or folders via SMB or NFS protocols.



---

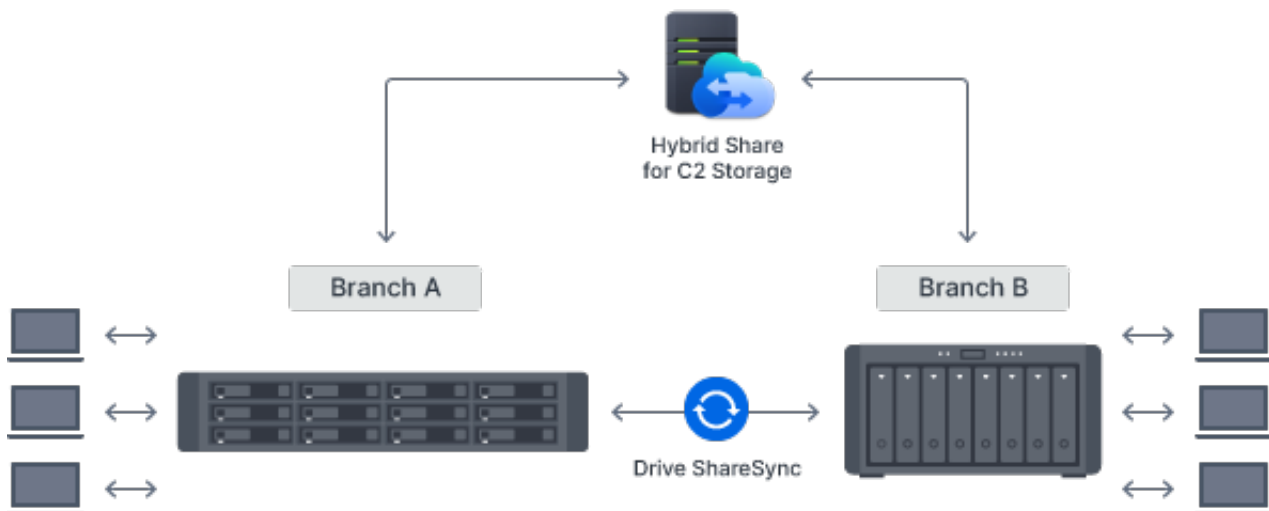
## Cross-site file sync

## Sync files across business sites

Synology Drive ShareSync enables one or two-way syncing between multiple Synology servers so that all team members can access the same set of data on their nearest file server.

## Reduce storage footprint

Cut bandwidth use, boost sync speeds, and reduce storage footprint by intelligently syncing the bulk of your data to the cloud with Hybrid Share, while deploying Synology devices locally to give teams fast access to all their frequently used data at local network speeds.



## **Backup repository**

Back up PCs, servers, Synology systems, SaaS data, and VMs, and back up your backup servers themselves with a scalable central storage solution.

---

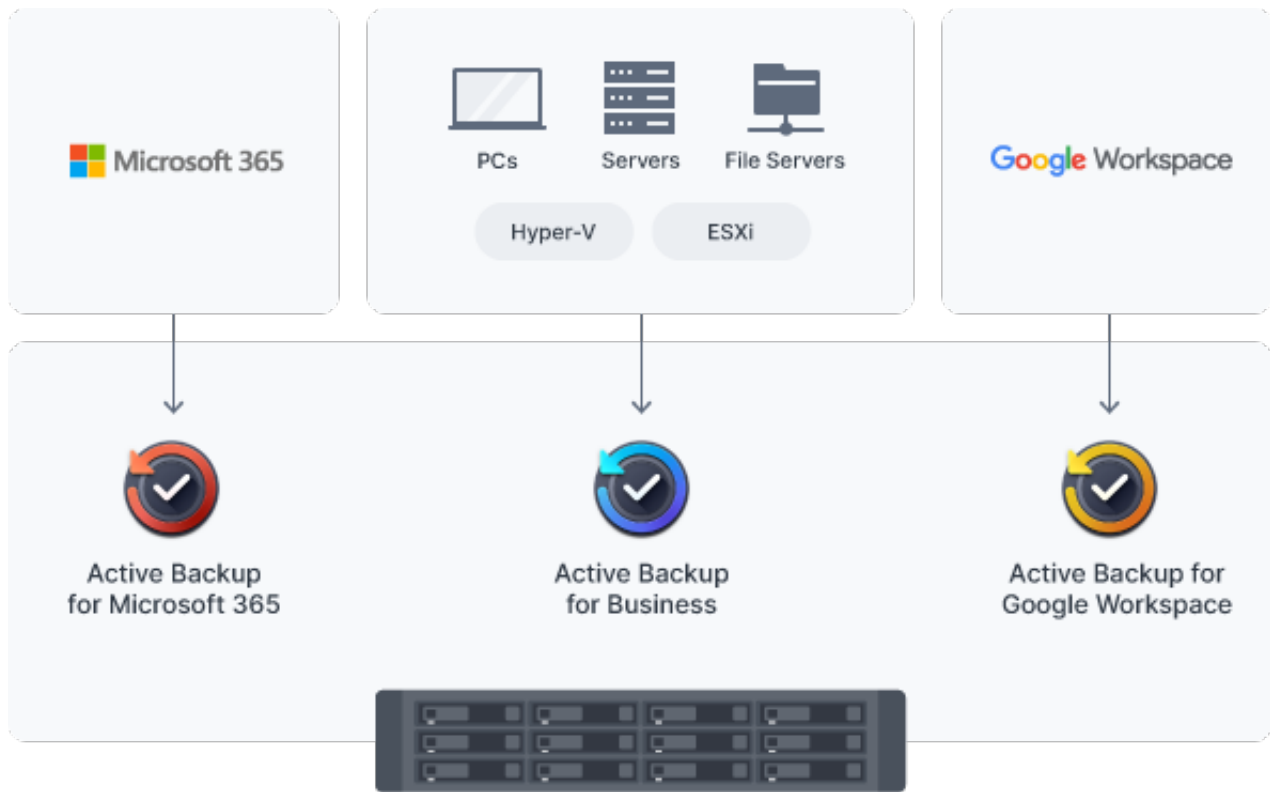
## **Back up Windows and Linux endpoints**

## **Bare-metal PC, server, and VM backup**

Securely back up Windows clients and servers, Linux endpoints, Synology systems, and VMware® and Hyper-V® virtual machines to the SA3610 and SA3410 with Active Backup for Business. Manage all tasks through a centralized management console and choose between bare-metal or file-level restoration. Built-in data deduplication maximizes storage efficiency.

### **Protect company SaaS accounts**

Protect Microsoft 365 and Google Workspace accounts by maintaining complete offline copies of your crucial information and configurations with Active Backup for Microsoft 365 and Active Backup for Google Workspace.



---

## Back up your Synology systems

### Flexible off-site backup for shares and LUNs

Use Hyper Backup to back up shared folders, LUNs, system settings, and software

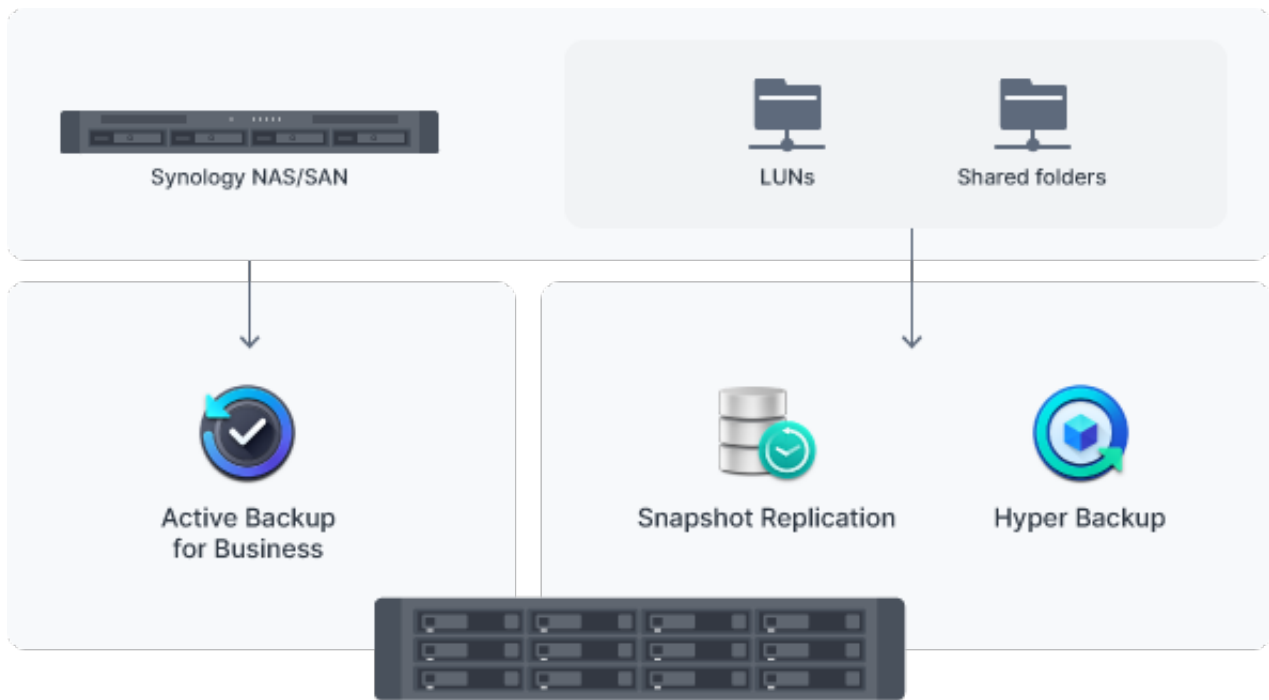
packages from your Synology system to a secondary server, external device, or Synology C2 Storage. Set up backup schedules, multi-versioning, and flexible backup rotation, protect data with fine-grained permissions and encryption, and reduce backup sizes with built-in deduplication.

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

### **Bare-metal backup for Synology systems**

Perform bare-metal backups and use multi-versioning and data deduplication to store backup copies of Synology systems, while drastically reducing the amount of space needed to store mission-critical data.





## **Business application platform**

Boost team efficiency by utilizing Synology productivity solutions to work and communicate across teams or test out new software in company-hosted containers or virtual machines.

---

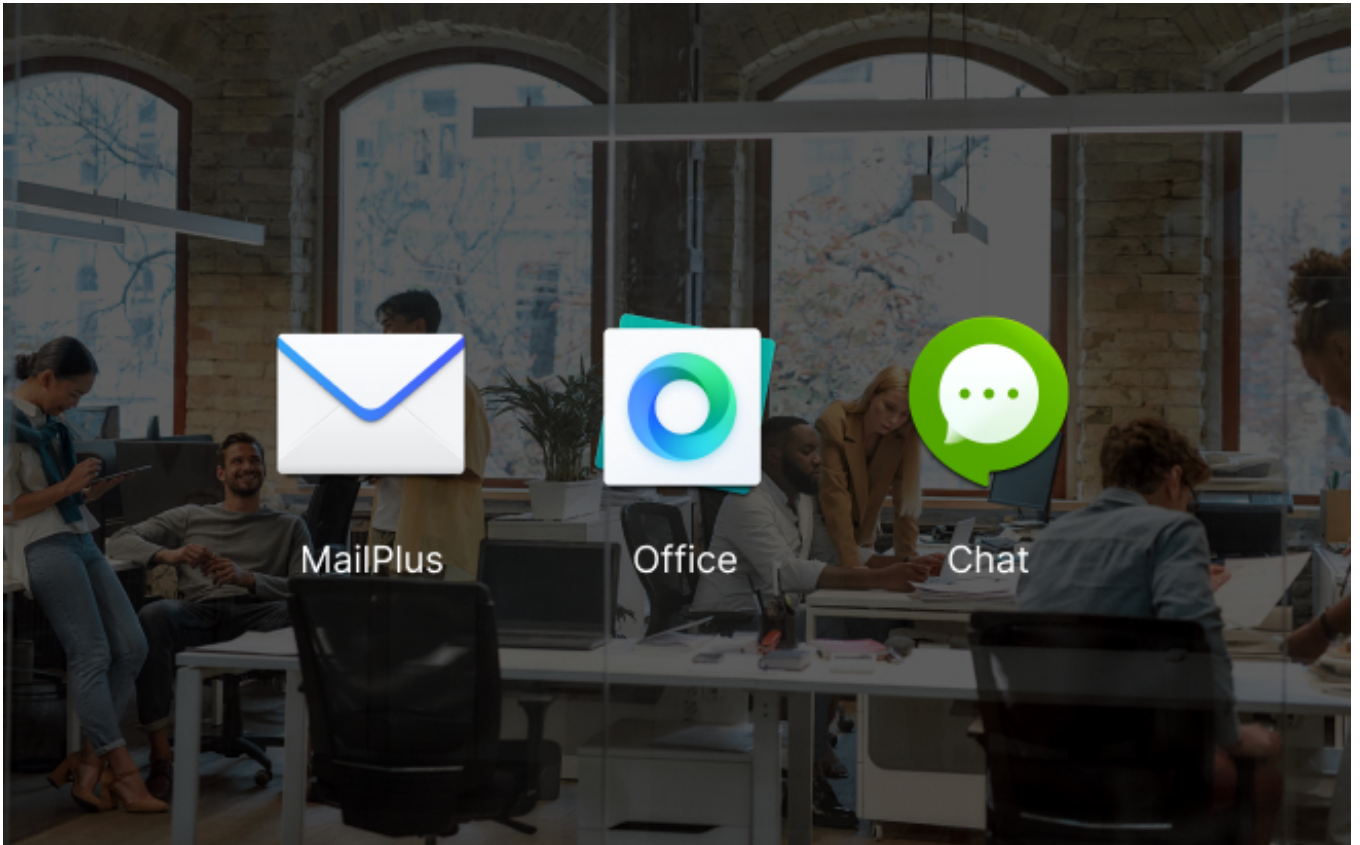
## **Synology productivity solutions**

### **Collaborative tools for team productivity**

Create, edit, and share documents, slides, and spreadsheets with teams in real time. Store files in a secure private cloud to take ownership of your data.

Send and receive emails on Synology's private email server using powerful webmail tools and experience full data ownership, transparent total cost of ownership, and robust security features.

Stay connected with team members by using secure one-on-one chats, public channels, encrypted private channels, and group conversations for efficient workplace communication.

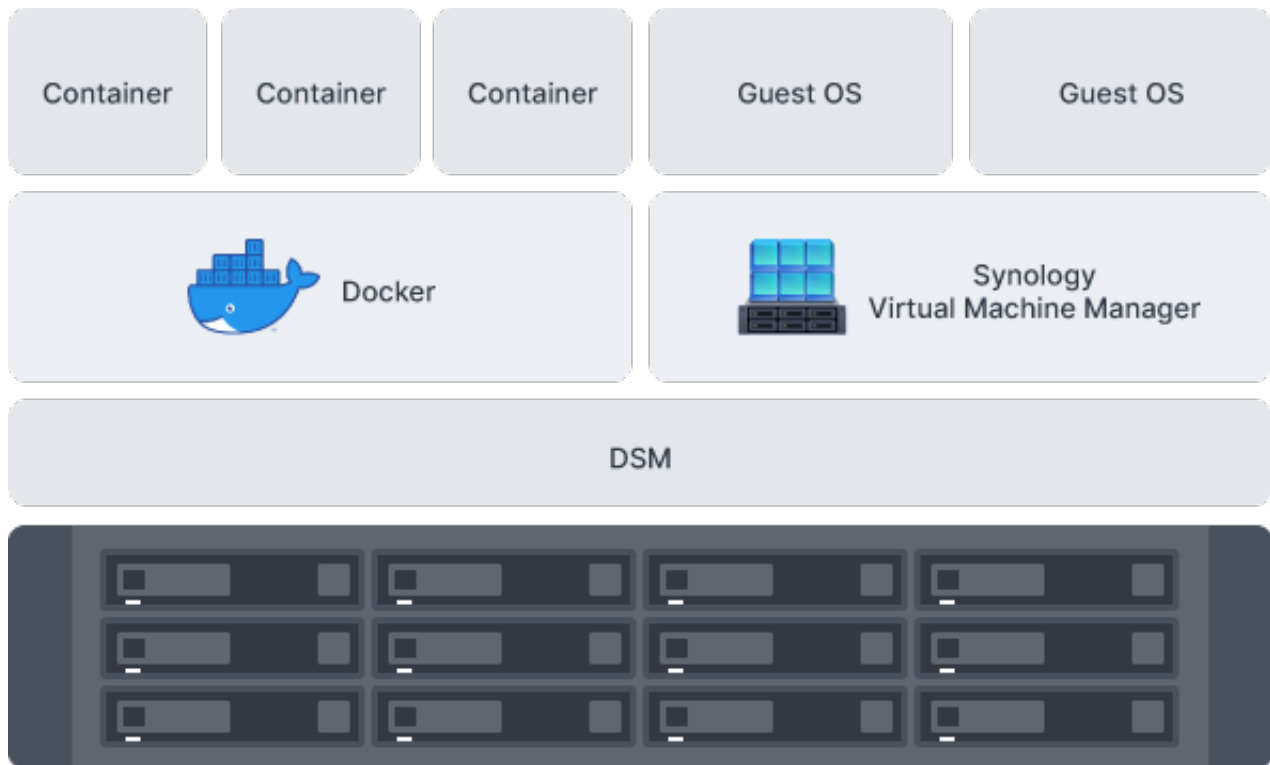


---

**Containerization and virtualization-ready**

**Test out applications in a contained environment**

Safely test out new packages, software, and applications in an isolated environment using Docker and Synology Virtual Machine Manager (VMM) — a hypervisor for Windows®, Linux®, and Virtual DSM.



**Centralized monitoring and management**

Monitor and manage your Synology fleet from a central interface, on-prem or in the cloud.

## **Central Management System (CMS)**

Manage Synology servers from a central console using group policies, task delegation, batch updates, and more.

## **Active Insight**

Monitor your global Synology fleet's performance, backup status, login activity and more with the power of the cloud.



## Synology has got you covered

The SA3610 and SA3410 are backed by Synology's 5-year limited warranty, including technical support and hardware replacement services to maximize your return on investment and ensure continued high-quality performance.

### Software Software Specs

DSM Specifications		SA3410
<a href="#">Storage Management</a>	Maximum Single Volume Size	<ul style="list-style-type: none"><li>• 1 PB (64 GB memory required, for RAID 6 groups only)</li><li>• 200 TB (32 GB memory required)</li><li>• 108 TB</li></ul>
	Maximum Internal Volume Number	256
	SSD Read/Write Cache ( <a href="#">Determining cache size</a> )	
	SSD TRIM	
	RAID Group	
	Supported RAID Type	<ul style="list-style-type: none"><li>• RAID F1</li><li>• Basic</li><li>• JBOD</li></ul>

		<ul style="list-style-type: none"> <li>• RAID 0</li> <li>• RAID 1</li> <li>• RAID 5</li> <li>• RAID 6</li> <li>• RAID 10</li> </ul>
	<b>RAID Migration</b>	<ul style="list-style-type: none"> <li>• Basic to RAID 1</li> <li>• Basic to RAID 5</li> <li>• RAID 1 to RAID 5</li> <li>• RAID 5 to RAID 6</li> </ul>
	<b>Volume Expansion with Larger HDDs</b>	<ul style="list-style-type: none"> <li>• RAID F1</li> <li>• RAID 1</li> <li>• RAID 5</li> <li>• RAID 6</li> <li>• RAID 10</li> </ul>
	<b>Volume Expansion by Adding a HDD</b>	<ul style="list-style-type: none"> <li>• RAID F1</li> <li>• JBOD</li> <li>• RAID 5</li> <li>• RAID 6</li> </ul>
	<b>Global Hot Spare Supported RAID Type</b>	<ul style="list-style-type: none"> <li>• RAID F1</li> <li>• RAID 1</li> <li>• RAID 5</li> <li>• RAID 6</li> <li>• RAID 10</li> </ul>
	<b>Notes</b>	
<a href="#">File System</a>	<b>Internal Drives</b>	<ul style="list-style-type: none"> <li>• Btrfs</li> <li>• ext4</li> </ul>
	<b>External Drives</b>	<ul style="list-style-type: none"> <li>• Btrfs</li> <li>• ext4</li> <li>• ext3</li> <li>• FAT</li> <li>• NTFS</li> <li>• HFS+</li> <li>• exFAT</li> </ul>
<a href="#">File Services</a>	<b>File Protocol</b>	<ul style="list-style-type: none"> <li>• SMB</li> <li>• AFP</li> <li>• NFS</li> <li>• FTP</li> <li>• WebDAV</li> <li>• Rsync</li> </ul>
	<b>Maximum Concurrent SMB/AFP/FTP Connections</b>	4,000

	<b>Maximum Concurrent SMB/AFP/FTP Connections (with RAM expansion)</b>	10,000
	<b>Windows Access Control List (ACL) Integration</b>	
	<b>NFS Kerberos Authentication</b>	
	<b>Notes</b>	
<a href="#">Account &amp; Shared Folder</a>	<b>Maximum Local User Accounts</b>	16,000
	<b>Maximum Local Groups</b>	512
	<b>Maximum Shared Folder</b>	512
	<b>Maximum Shared Folder Sync Tasks</b>	32
<a href="#">Hybrid Share</a>	<b>Maximum Hybrid Share Folders</b>	30
<a href="#">Hyper Backup</a>	<b>Folder and Package Backup</b>	
	<b>Entire System Backup</b>	
	<b>Notes</b>	
<a href="#">High Availability</a>	<b>Synology High Availability</b>	
<a href="#">Log Center</a>		
	<b>Syslog Events per Second</b>	3,000
<b>Virtualization</b>	<b>VMware ESXi 6.5 and VAAI</b>	
	<b>Windows Server 2022</b>	
	<b>Citrix Ready</b>	
	<b>OpenStack</b>	
<a href="#">General Specifications</a>	<b>Supported Protocols</b>	SMB1 (CIFS), SMB2, SMB3, NFSv3, NFSv4, NFSv4.1, NFS Kerberized sessions, iSCSI, Fibre Channel, HTTP, HTTPs, FTP, SNMP, LDAP, CalDAV
	<b>Supported Browsers</b>	<ul style="list-style-type: none"> <li>• Chrome</li> <li>• Firefox</li> <li>• Edge</li> <li>• Safari</li> </ul>
	<b>Supported Language</b>	English, Deutsch, Français, Italiano, Español, Dansk,



		Norsk, Svenska, Nederlands, ???????, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, ?eský, ???????, ???, ???, ?????, ?????
	<b>Notes</b>	
<a href="#">Central Management System</a>		
<a href="#">Synology Chat</a>		
	<b>Suggested Users</b>	500
	<b>Notes</b>	
<b>Download Station</b>		
	<b>Maximum Concurrent Download Tasks</b>	80
<a href="#">SAN Manager</a>		
	<b>Maximum iSCSI Target Number</b>	256
	<b>Maximum LUN</b>	512
	<b>LUN Clone/Snapshot, Windows ODX</b>	
<a href="#">Synology MailPlus / MailPlus Server</a>		
	<b>Free Email Accounts</b>	5 ( <a href="#">Additional accounts require purchase of licenses</a> )
	<b>Suggested Users</b>	10,000
	<b>Notes</b>	
<a href="#">Media Server</a>		
	<b>DLNA Compliance</b>	
<a href="#">Synology Photos</a>		
	<b>Facial Recognition</b>	
	<b>Object Recognition</b>	
<a href="#">Snapshot Replication</a>		
	<b>Maximum Snapshots per Shared Folder</b>	1,024
	<b>Maximum of System Snapshots</b>	65,536
<a href="#">Surveillance Station</a>		
	<b>Default Licenses</b>	2 ( <a href="#">Additional cameras require purchase of licenses</a> )
	<b>Suggested Maximum IP Cameras and Total FPS (H.264)</b>	<ul style="list-style-type: none"> <li>• 1080p: 160 channels, 2800 FPS</li> <li>• 3M: 160 channels, 1600 FPS</li> </ul>

	<ul style="list-style-type: none"> <li>• 5M: 120 channels, 1200 FPS</li> <li>• 4K: 80 channels, 800 FPS</li> </ul>
<b>Suggested Maximum IP Cameras and Total FPS (H.265)</b>	<ul style="list-style-type: none"> <li>• 1080p: 200 channels, 6000 FPS</li> <li>• 3M: 160 channels, 2800 FPS</li> <li>• 5M: 160 channels, 1600 FPS</li> <li>• 4K: 120 channels, 1200 FPS</li> </ul>
<b>Notes</b>	<ul style="list-style-type: none"> <li>• Surveillance Station 9.1.3 or above is required to support the maximum IP cameras and FPS figures listed.</li> <li>• 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.</li> <li>• Use <a href="#">NVR Selector</a> to quickly find a suitable model based on your requirements.</li> <li>• The number of streams that can be</li> </ul>

		viewed simultaneously is <b>twice</b> 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.
<a href="#">Synology Drive</a>		
	<b>Recommended Number of Concurrent Sync Clients</b>	2,000 (the number of connections that can be maintained when the recommended number of hosted files was reached)
	<b>Recommended Number of Hosted Files</b>	50,000,000 (applies to files indexed or hosted by <a href="#">Synology Drive</a> . For file access through other standard protocols, refer to the File Services section above)
	<b>Notes</b>	
<a href="#">Synology Office</a>		
	<b>Suggested Users</b>	12,500
	<b>Notes</b>	
<a href="#">Virtual Machine Manager</a>		
	<b>Recommended Virtual Machine Instances</b>	16 ( <a href="#">Learn more</a> )
	<b>Recommended Virtual DSM Number (<a href="#">Licenses required</a>)</b>	16 (including 1 Free License)
	<b>Notes</b>	
<a href="#">VPN Server</a>		
	<b>Maximum Connections</b>	60

## Specification

NAS

RJ-45 10GbE LAN Port	2
CPU Architecture	64-bit
CPU Core	8
CPU Frequency	2.1 (base) / 2.7 (turbo) GHz
CPU Model	Intel Xeon D-1541
CPU Quantity	1
Drive Bays	12
Expansion Port	1
Form Factor (RU)	2U
Hardware Encryption Engine	Yes
Hot Swappable Drive	Yes
Maximum Memory Capacity	128 GB (32 GB x 4)
Memory	16 GB DDR4 ECC RDIMM
PCIe Expansion	2 x Gen3 x8 slots (x8 link)
Power Supply Unit / Adapter	550 watts
Redundant Power Supply	Yes
RJ-45 1GbE LAN Port	4
System Fan	80 mm x 80 mm x 4 pcs
Total Memory Slots	4
USB 3.2 Gen 1 Port	2

## Product Gallery