SA3410

Brand: Synology

Product Code: SA3410

Availability: 10 **Weight:** 14.50kg

Dimensions: 88.00mm x 482.00mm x

724.00mm

Price: 406,500.00EGP

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

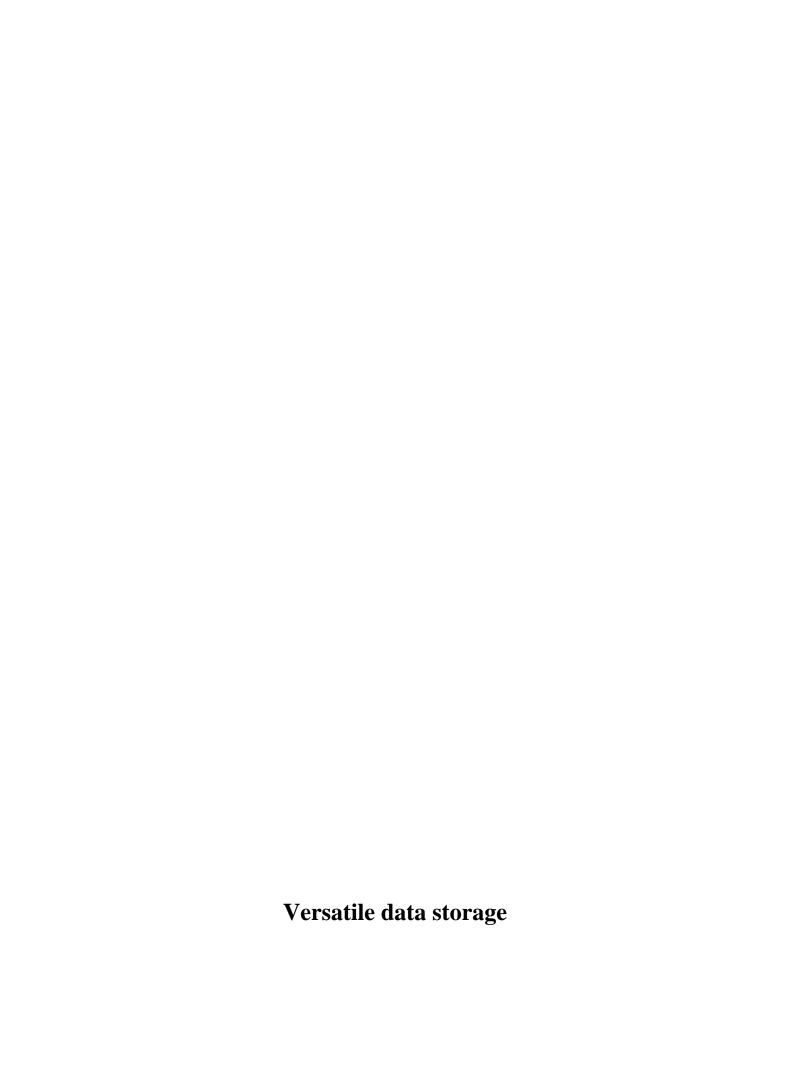
Built-in dual 10GbE RJ-45 ports allow for high-speed network transmission right out of the box. Users can also boost network redundancy and bandwidth by adding optional 10/25/40GbE and Fibre Channel adapter cards into the two available PCIe 3.0 expansion slots.

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



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



File server

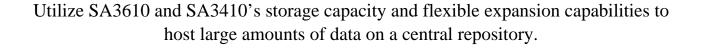


Backup repository



Business application platform

File server



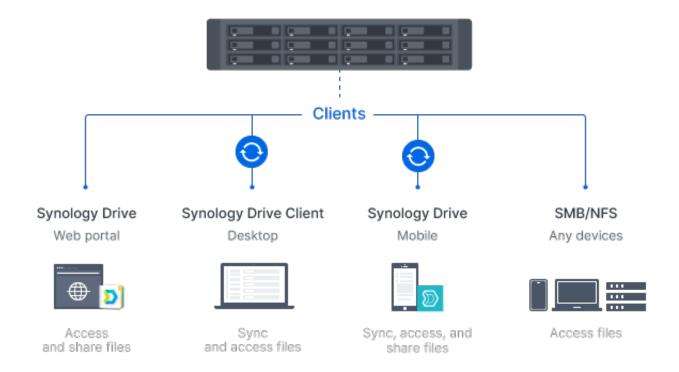
Private cloud

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.



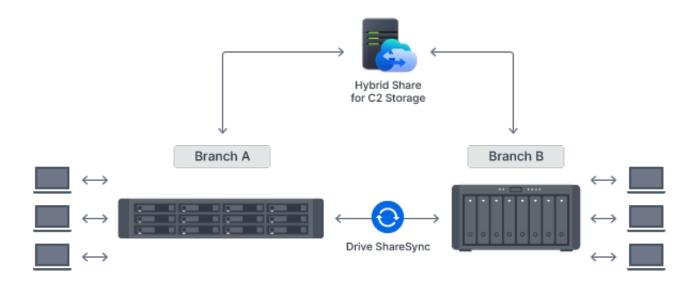
Cross-site file sync

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.



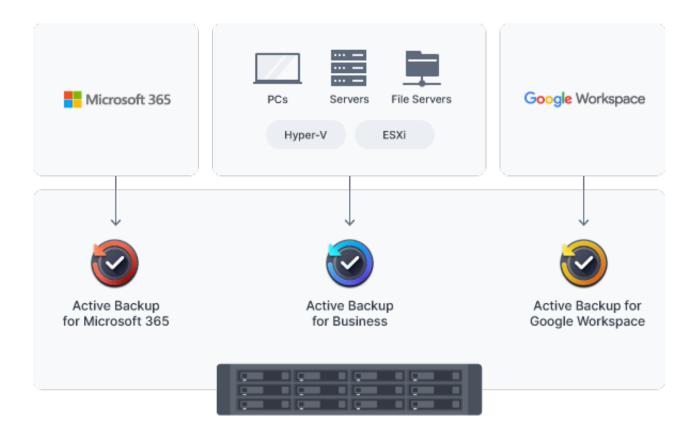
Backup repository
Dackup repository
Back up PCs, servers, Synology systems, SaaS data, and VMs, and back up your backup servers themselves with a scalable central storage solution.
Back up Windows and Linux endpoints

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

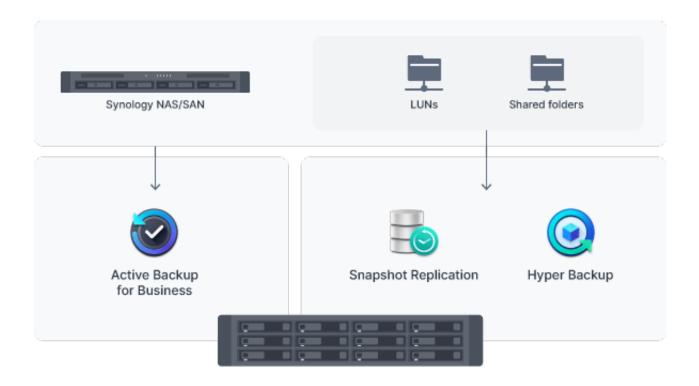
Use Hyper Backup to back up shared folders, LUNs, system settings, and software

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.

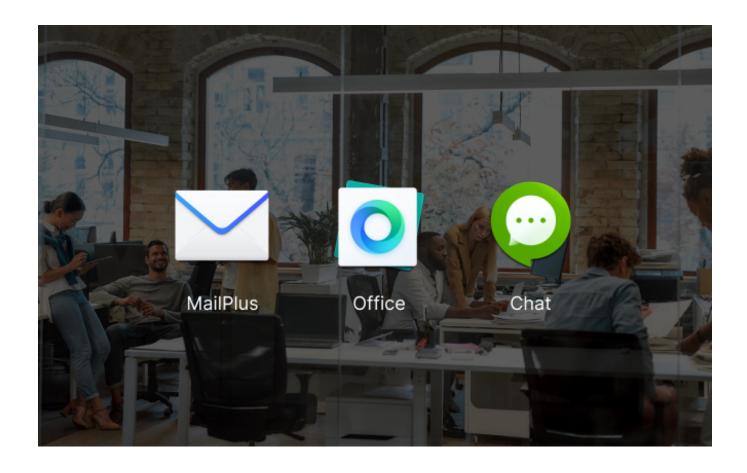
Synology productivity solutions

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.

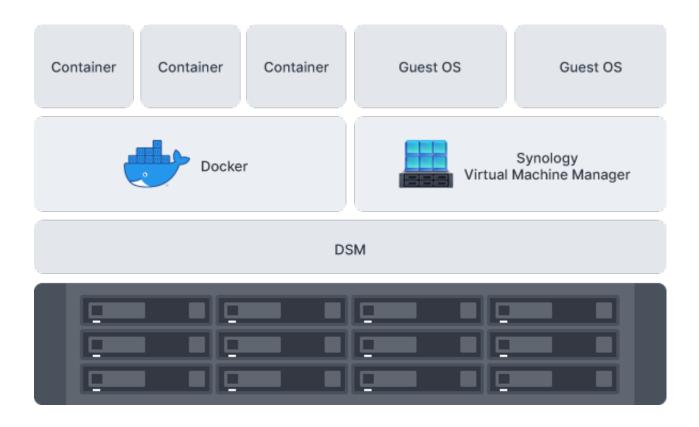
Stay connected with team members by using secure one-on-one chats, public channels, encrypted private channels, and group conversations for efficient workplace communication.



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

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.

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



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 Specs

DSM Specifications		SA3410
Storage Management	Maximum Single Volume Size	 1 PB (64 GB memory required, for RAID 6 groups only) 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 F1BasicJBOD

I	1	1
		• 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	• RAID F1
	Larger HDDs	• RAID 1
		• RAID 5
		• RAID 6
		• RAID 10
	Volume Expansion by	• RAID F1
	Adding a HDD	• JBOD
		• RAID 5
		• RAID 6
	Global Hot Spare	• RAID F1
	Supported RAID Type	• RAID 1
		• RAID 5
		• RAID 6
		• RAID 10
	Notes	
File System	Internal Drives	• Btrfs
		• ext4
	External Drives	• Btrfs
		• ext4
		• ext3
		• FAT
		• NTFS
		• HFS+
		• exFAT
File Services	File Protocol	• SMB
		• AFP
		• NFS
		• FTP
		• WebDAV
		• Rsync
	Maximum Concurrent	4,000
	SMB/AFP/FTP	
	Connections	
I	- CALLEGE COLOR	-

	Maximum Concurrent	10,000
	SMB/AFP/FTP	
	Connections (with RAM	
	expansion)	
	Windows Access Control	
	List (ACL) Integration	
	NFS Kerberos	
	Authentication	
	Notes	
Account & Shared Folder	Maximum Local User	16,000
	Accounts	
	Maximum Local Groups	512
	Maximum Shared Folder	512
	Maximum Shared Folder	32
	Sync Tasks	
Hybrid Share	Maximum Hybrid Share	30
	Folders	
Hyper Backup	Folder and Package	
<u>Fryper Buckup</u>	Backup	
	Entire System Backup	
	Notes	
High Availability	Synology High Availability	
Log Center	Synology High Availability	
<u>Log Center</u>	Syslog Events per Second	3,000
Virtualization	VMware ESXi 6.5 and	5,000
vii tuanzation	VAAI	
	Windows Server 2022	
	Citrix Ready OpenStack	
Congrel Specifications		SMB1 (CIFS), SMB2,
General Specifications	Supported Protocols	
		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	
Central Management Syste	em	
Synology Chat		
	Suggested Users	500
	Notes	
Download Station		
	Maximum Concurrent	80
	Download Tasks	
SAN Manager		
	Maximum iSCSI Target	256
	Number	
	Maximum LUN	512
	LUN Clone/Snapshot,	
	Windows ODX	
Synology MailPlus /	, , , , , , , , , , , , , , , , , , ,	
MailPlus Server	Free Email Accounts	5 (Additional accounts
IVIAITI IAS SOLVEI		require purchase of licenses)
	Suggested Users	10,000
	Notes	10,000
Media Server	110tes	
Wicula Sciver	DLNA Compliance	
Cynology Photos	DENA Comphance	
Synology Photos	Facial Passanition	
	Facial Recognition	
Constitute Description	Object Recognition	
Snapshot Replication	Mariana Carana Indonesia	1.024
	Maximum Snapshots per	1,024
	Shared Folder	65.506
	Maximum of System	65,536
	Snapshots	
Surveillance Station		
	Default Licenses	2 (Additional cameras require
		purchase of licenses)
	Suggested Maximum IP	• 1080p: 160 channels,
	Cameras and Total FPS	2800 FPS
	(H.264)	• 3M: 160 channels,
		1600 FPS

Suggested Maximum IP Cameras and Total FPS (H.265)	 5M: 120 channels, 1200 FPS 4K: 80 channels, 800 FPS 1080p: 200 channels, 6000 FPS 3M: 160 channels, 2800 FPS 5M: 160 channels, 1600 FPS 4K: 120 channels, 1200 FPS
Notes	 Surveillance Station 9.1.3 or above is required to support the maximum IP cameras and FPS figures listed. 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	2,000 (the number of
	Concurrent Sync Clients	connections that can be
		maintained when the
		recommended number of
		hosted files was reached)
	Recommended Number of	50,000,000 (applies to files
	Hosted Files	indexed or hosted
		by <u>Synology Drive</u> . For file
		access through other standard
		protocols, refer to the File
		Services section above)
	Notes	
Synology Office		
	Suggested Users	12,500
	Notes	
Virtual Machine Manager		
	Recommended Virtual	16 (Learn more)
	Machine Instances	16 (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Recommended Virtual	16 (including 1 Free License)
	DSM Number (Licenses	
	required) Notes	
VPN Server	110168	
VIIV DOLVOL	Maximum Connections	60
	priazimum Connections	VV

Specification NAS

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

Product Gallery