RackStation RS822+

Brand: Synology

Product Code: RS822+

Availability: 10 **Weight:** 6.40kg

Dimensions: 492.60mm x 480.00mm x

44.00mm

Price: 73,500.00EGP



Short Description

Synology 4 Bay RackStation RS822+

Description

An all-in-one edge storage solution

The compact 1U 4-bay Synology RackStation RS822+ with its storage and connectivity expandability coupled with the powerful Synology DiskStation Manager (DSM) operating system is an ideal edge storage solution for branch offices and small and medium-sized businesses.



Performance

2103/1074 MB/s sequential read/write throughput



Scalability

Scale up to 8 drives with Synology Expansion Unit RX418



Connectivity

Built-in 4 x 1GbE ports with 10/25 GbE expansion option



Memory

Up to 32 GB DDR4 ECC

Built for reliability

RS822+ comes with four Gigabit RJ-45 ports which can be bonded with Link Aggregation to enable automatic network failover and load balancing.

Two RS822+ units can be paired using Synology High Availability to form a reliable active/passive server cluster, maximizing service uptime.

Room for expansion

Easily adjust the RS822+ to match your usage environment, whether it needs performance, faster networking, or higher storage capacity.

All-in-one data management platform

The RS822+ is designed to support small deployments in tackling common applications such as file management, data backup, and surveillance.



Edge storage for distributed teams



Multi-endpoint data protection



Smart surveillance for small deployments

Edge storage for distributed teams

Provide secure and convenient	cross-platform	file access,	sharing, and	synchronization
	across multiple	locations.		

Enable effective collaboration with Synology Drive

Synology Drive provides remote data access, synchronization, on-demand file restoration, and backup via handy desktop and mobile applications.

Multi-platform support

Access personal and shared data from mobile app, desktop client, web browser, or another Synology system: Any changes you make are automatically synced to other devices as soon as they are connected.

Collaborate in real time

Integrate with Synology Office to enable concurrent editing on documents, spreadsheets, and slides, with support for conversion to and from Microsoft Word, Excel, PowerPoint, and OpenDocument files.

Connect teams with Hybrid Share

Utilize Hybrid Share to store large sets of data in the cloud, leveraging the powerful bandwidth of our data centers to stream requested files to local NAS deployed at the branch offices.

Data on-demand

With Hybrid Share-enabled folders, remote teams retain full access to the most up-todate files while benefiting from reduced local storage footprint and bandwidth usage.

Cache data used locally

Frequently-accessed files are kept on the local NAS, allowing users to access them at LAN speeds. Files and folders can also be pinned manually to prevent them from being replaced when the cache is full.

Multi-endpoint data protection
Design an effective backup strategy to maximize system availability with a host of native and license-free solutions.
Endpoint, VM, and NAS/SAN protection
Securely back up Windows and Linux endpoints, Synology servers, and VMware® and

Hyper-V[®] virtual machines with Active Backup for Business.

Microsoft 365 and Google Workspace

Centralize backups of Microsoft 365 and Google Workspace data to protect it from accidents and simplify compliance with data retention policies. Schedulable backups, flexible file versioning, and block-level deduplication ensure flexibility and savings in terms of storage and bandwidth consumption.

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 systems.

Set and forget backup tasks with regular schedules, enhance security with granular 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 VM storage with an RPO as low as 5 minutes and recovery within seconds.

Smart surveillance for small deployments
Leverage flexible deployment options, intuitive management capabilities, and advanced video analytics to secure your premises.
Wide compatibility
Connect up to 40 IP cameras from a selection of over 8,300 validated models thanks to Synology Surveillance Station's wide camera compatibility.

Multi-platform convenience

Monitor live streams or watch recordings from web browser, desktop client, or the DS cam mobile app.

Secure and private

Footage is stored locally for easier compliance with data protection regulations and further protected from unauthorized access with industry-standard AES-256 encryption.

Software

Software Specs

DSM Specifications RS822+ Storage Management Maximum Single Volume 108 TB

Size

Maximum Internal Volume 64

Number

SSD Read/Write Cache
(Determining cache size)

SSD TRIM

Supported RAID Type • Synology Hybrid

RAID

• 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	 Synology Hybrid
	Larger HDDs	RAID
		• RAID 1
		• RAID 5
		• RAID 6
		• RAID 10
	Volume Expansion by	 Synology Hybrid
	Adding a HDD	RAID
	Ç	• JBOD
		• RAID 5
		• RAID 6 (with
		Expansion Unit)
	Global Hot Spare Supported	 Synology Hybrid
	RAID Type	RAID
		• RAID 1
		• RAID 5
		• RAID 6 (with
		Expansion Unit)
		• RAID 10 (with
		Expansion Unit)
File System	Internal Drives	• Btrfs
		• ext4
	External Drives	• Btrfs
		• ext4
		• ext3
		• FAT
		• NTFS
		• HFS+
		• exFAT
<u>File Services</u>	File Protocol	• SMB
		• AFP
		• NFS
		• FTP

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Rsync

Maximum Concurrent 500

SMB/AFP/FTP Connections

Maximum Concurrent 2,000

SMB/AFP/FTP Connections

(with RAM expansion)
Windows Access Control
List (ACL) Integration

NFS Kerberos Authentication

Account & Shared Folder Maximum Local User 2,048

Accounts

Maximum Local Groups 256 Maximum Shared Folder 512 Maximum Shared Folder 16

Sync Tasks

<u>Hybrid Share</u> Hybrid Share Folder Number 10 <u>Hyper Backup</u> Folder and Package Backup

Entire System Backup

<u>High Availability</u> Synology High Availability

Log Center

Syslog Events per Second 800

Virtualization VMware ESXi 6.5 and VAAI

Windows Server 2016 Windows Server 2022

Citrix Ready OpenStack

General Specifications Supported Protocols SMB1 (CIFS), SMB2,

Supported Language

SMB3, NFSv3, NFSv4, NFSv4.1, NFS Kerberized sessions, iSCSI, HTTP,

HTTPs, FTP, SNMP, LDAP,

CalDAV

Supported Browsers • Chrome

FirefoxEdge

• Safari

Italiano, Español, Dansk, Norsk, Svenska, Nederlands, ??????, Polski, Magyar, Português do Brasil,

English, Deutsch, Français,

Português Europeu, Türkçe,
?eský, ???????, ???, ???,
????, ????

Central Management System	
Synology Chat	

	Suggested Users	150
Download Station		
	Maximum Concurrent	80
	Download Tasks	

SAN Manager		
	Maximum iSCSI Target	128
	Number	

Maximum LUN	256
LUN Clone/Snapshot,	

	Windows ODX
Synology MailPlus /	

MailPlus Server	Free Email Accounts	5 (Additional accounts
		require purchase of licenses

Suggested Users	750
Maximum Server	1,484,000 emails per day,
Performance	approx. 45GB

Media Server

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Syno]	logy	Photos
	-05	

Facial Recognition
Object Recognition

Snapshot Replication

Maximum Snapshots per	1,024
Shared Folder	
Maximum of System	65,536
Snapshots	

Surveillance Station

Default Licenses	2 (Additional cameras
	require purchase of licenses)
Suggested Maximum IP	• 720p: 40 channels,
Cameras and Total FPS	1200 FPS

FPS

FPS

• 5M: 28 channels, 280

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Cameras and Total FPS	1200 FPS
(H.264)	• 1080p: 40 channels,
	800 FPS
	• 3M: 35 channels, 350
	• 3M: 35 channels, 35

Suggested Maximum IP Cameras and Total FPS (H.265) • 4K: 17 channels, 170 FPS

• 720p: 40 channels, 1200 FPS

• 1080p: 40 channels, 1200 FPS

• 3M: 40 channels, 600 FPS

• 5M: 40 channels, 480 FPS

• 4K: 20 channels, 200 FPS

Synology Drive

Recommended Number of Concurrent Sync Clients 550 (the number of connections that can

connections that can be maintained when the recommended number of hosted files was reached)
50,000,000 (applies to files

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)

Synology Office

Suggested Users 4,500

Virtual Machine Manager

Recommended Virtual 8 (Learn more)

Machine Instances

Recommended Virtual DSM 8 (including 1 Free License)

Number (Licenses required)

VPN Server

Maximum Connections 40

Specification

AMD Ryzen V1500B
1
4
64-bit
2.2 GHz

Hardware Encryption	Yes
Engine	
Memory	2 GB DDR4 ECC SODIMM
Drive Bays	4
Compatible Drive Type	3.5
Hot Swappable Drive	Yes
RJ-45 1GbE LAN Port	4
USB 3.2 Gen 1 Port	2
System Fan	40 mm x 40 mm x 3 pcs
Power Supply Unit /	150 watts 100 V to 240 V AC 50/60 Hz, Single
Adapter	Phase
Total Memory Slots	2
Maximum Memory	32 GB (16 GB x 2)
Capacity	
Expansion Port	1
PCIe Expansion	1 x Gen3 x8 slot (x4 link)
Form Factor (RU)	1U

Product Gallery



