

RackStation RS1221RP+?



Brand: Synology

Product Code: RS1221RP+

Availability: 10

Weight: 8.40kg

Dimensions: 407.50mm x 482.00mm x
88.00mm

Price: 121,878.00EGP

Short Description

Synology 8 bay RackStation RS1221RP+

Description

Compact and reliable

The RS1221RP+/RS1221+, at only 30 to 38 centimeters deep, is built for space-sensitive deployments. Boasting over 100K 4K random read IOPS and 2,315 MB/s sequential read¹, the RS1221RP+/RS1221+ is equipped to handle heavy workloads in data-intensive environments. The RS1221RP+ additionally features an extra level of protection with redundant power supplies.



Compute

AMD Ryzen™ V1500B quad-core 2.2 GHz



Throughput

2,300 MB/s seq. read 100K 4K random read IOPS^{[1](#)}



Memory

4 GB ECC DDR4 Up to 32 GB



Compact

30cm depth (38cm for RP model)

A compact design for space efficiency

The RS1221+ and its RX418 expansion units are designed to help you save space in compact deployments. At only 30 centimeters, half the length of a typical 2U unit, it fits perfectly snug onto 2-post or shallow rackmount enclosures. The RS1221RP+ with dual power supplies comes in at 38 cm, also fitting most shallow depth enclosures.²

- Fits into shallow rackmount enclosures
- Easy-to-install on 2-post racks
-

Built for reliability

Redundant power

Reduce the chance that power disruptions on a single distribution channel or PDU causes data and service availability degradation.

Maximize service availability

When paired with another identical unit, Synology High Availability enables automatic minute-level failover between two clustered servers in the event of a server failure to minimize service downtime.

Data integrity and protection

ECC memory and the Btrfs file system bring higher reliability and snapshot capabilities

to help prevent data corruption and simplify data protection.

High performance storage for anything

Up to 2,315/1,147 MB/s sequential read and write throughput and over 100K/54K random read/write IOPS ensures ample performance for demanding workloads.^{[1](#)}

With room to grow with you

Easily upgrade the RS1221RP+/RS1221+ to match your usage environment, whether it's for performance, faster networking, or higher storage capacity.^{[3](#)}

SSD cache

Boost read/write IOPS over HDD-only arrays by 16X or more with NVMe or SATA SSD Cache^{[4](#)}

10GbE ready

Storage expansion

Data protection solutions, built-in

Maximize data availability

Hyper Backup

A comprehensive backup and recovery solution for added data protection. Create backup destinations locally, on another Synology device, rsync servers, or cloud-based destinations, such as Google Drive, Dropbox, S3-compatible destinations, and Synology C2 Storage, a dedicated backup destination for Synology devices. Deduplication, integrity checks, and incremental transfer technology reduce bandwidth and storage use.

Snapshot Replication

Easily schedule flexible point-in-time backups of shared folders and LUNs with an RPO as low as 5 minutes and recovery in seconds. Set up replication and failover to other Synology storage systems for fast RTOs and minimal service disruption.

Protect your entire IT infrastructure

Protect your entire office with Active Backup

The Active Backup suite enables administrators to easily secure their entire IT infrastructure by backing up mission-critical data to their NAS, including Windows & Linux workstations and servers, file servers, VMware and Hyper-V virtual machines, and Microsoft 365 and Google Workspace accounts. Benefit from deduplication, multiversioning to quickly jump back in time, and additional data efficiency optimizations for reduced bandwidth and storage use.

Software

DSM Specifications	
Storage Management	Maximum Single Volume Size
	Maximum Internal Volume Number
	SSD Read/Write Cache (Determining cache size)
	SSD TRIM

	Supported RAID Type	
	RAID Migration	
	Volume Expansion with Larger HDDs	
	Volume Expansion by Adding a HDD	
	Global Hot Spare Supported RAID Type	
File System	Notes	
	Internal Drives	
	External Drives	
File Services	Notes	
	File Protocol	

		Maximum Concurrent SMB/AFP/FTP Connections
		Maximum Concurrent SMB/AFP/FTP Connections (with RAM expansion)
		Windows Access Control List (ACL)
		Integration
		NFS Kerberos Authentication
		Notes
Account & Shared Folder		Maximum Local User Accounts
		Maximum Local Groups
		Maximum Shared Folder
		Maximum Shared Folder Sync Tasks
Hybrid Share		Hybrid Share Folder Number
Hyper Backup		Data & Folder Backup
		Entire System Backup
		Notes
High Availability		Synology High Availability
Log Center		
		Syslog Events per Second
Virtualization		VMware ESXi 6.5 and VAAI
		Windows Server 2016
		Windows Server 2019
		Windows Server 2022
		Citrix Ready
		OpenStack
General Specifications		Supported Protocols
		Supported Browsers
		Supported Language
		Notes
Central Management System		
Synology Chat		
		Suggested Users

	Notes
Download Station	
	Maximum Concurrent Download Tasks
SAN Manager	
	Maximum iSCSI Target Number
	Maximum LUN
	LUN Clone/Snapshot, Windows ODX
	Notes
Synology MailPlus / MailPlus Server	
	Free Email Accounts
	Suggested Users
	Notes
Media Server	
	DLNA Compliance
Synology Photos	
	Facial Recognition
	Object Recognition
Snapshot Replication	
	Maximum Snapshots per Shared Folder
	Maximum of System Snapshots
Surveillance Station	
	Default Licenses
	Suggested Maximum IP Cameras and Total FPS (H.264)
	Suggested Maximum IP Cameras and Total FPS (H.265)
	Notes
Synology Drive	
	Recommended Number of Concurrent Sync Clients
	Recommended Number of Hosted Files
	Notes

Synology Office	
	Suggested Users
	Notes
Virtual Machine Manager	
	Recommended Virtual Machine Instances
	Recommended Virtual DSM Number (Licenses required)
	Notes
VPN Server	
	Maximum Connections

Specification

NAS	
CPU Model	AMD Ryzen V1500B
CPU Quantity	1
CPU Core	4
CPU Architecture	64-bit
CPU Frequency	2.2 GHz
Hardware Encryption Engine	Yes
Memory	4 GB DDR4 ECC SODIMM
Drive Bays	8
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 2 pcs
Power Supply Unit / Adapter	350 watts
Total Memory Slots	2
Maximum Memory Capacity	32 GB (16 GB x 2)
Expansion Port	1
PCIe Expansion	1 x Gen3 x8 slot (x4 link)
Form Factor (RU)	2U
Redundant Power Supply	Yes

Product Gallery