## RackStation RS1221RP+?

**Brand:** Synology

**Product Code:** RS1221RP+

**Availability:** 10 **Weight:** 8.40kg

**Dimensions:** 407.50mm x 482.00mm x

88.00mm

Price: 115,000.00EGP



#### **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 read<sup>1</sup>, 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<sup>™</sup> V1500B quad-core 2.2 GHz



## **Throughput**

2,300 MB/s seq. read 100K 4K random read IOPS<sup>1</sup>



## 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.<sup>2</sup>

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

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### **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. <sup>1</sup>

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. <sup>3</sup>
SSD cache
Boost read/write IOPS over HDD-only arrays by 16X or more with NVMe or SATA SSD Cache <sup>4</sup>

# 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
	<b>Maximum Internal Volume Number</b>
	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
	Notes
File System	Internal Drives
	External Drives
	Notes
File Services	File Protocol

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

Download Station  SAN Manager	Maximum Concurrent Download Tasks
SAN Manager	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
Construction Development	Object Recognition
Snapshot Replication	Marinana Cararakata nan Chanal Fallan
	Maximum Snapshots per Shared Folder  Maximum of System Spanshots
Surveillance Station	Maximum of System Snapshots
Survemance Station	<b>Default Licenses</b>
	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	
<u> </u>	Suggested Users
	Notes
Virtual Machine Manager	
	Recommended Virtual Machine Instances
	Recommended Virtual DSM
	Number ( <u>Licenses required</u> )
	Notes
VPN Server	
	Maximum Connections

## Specification

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

# **Product Gallery**