## RackStation RS1221+

**Brand:** Synology

**Product Code:** RS1221+

**Availability:** 10 **Weight:** 6.90kg

**Dimensions:** 88.00mm x 482.00mm x

306.60mm

Price: 84,300.00EGP

#### **Short Description**

Synology 8 Bay RackStation RS1221+

#### **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

#### **Built for reliability**

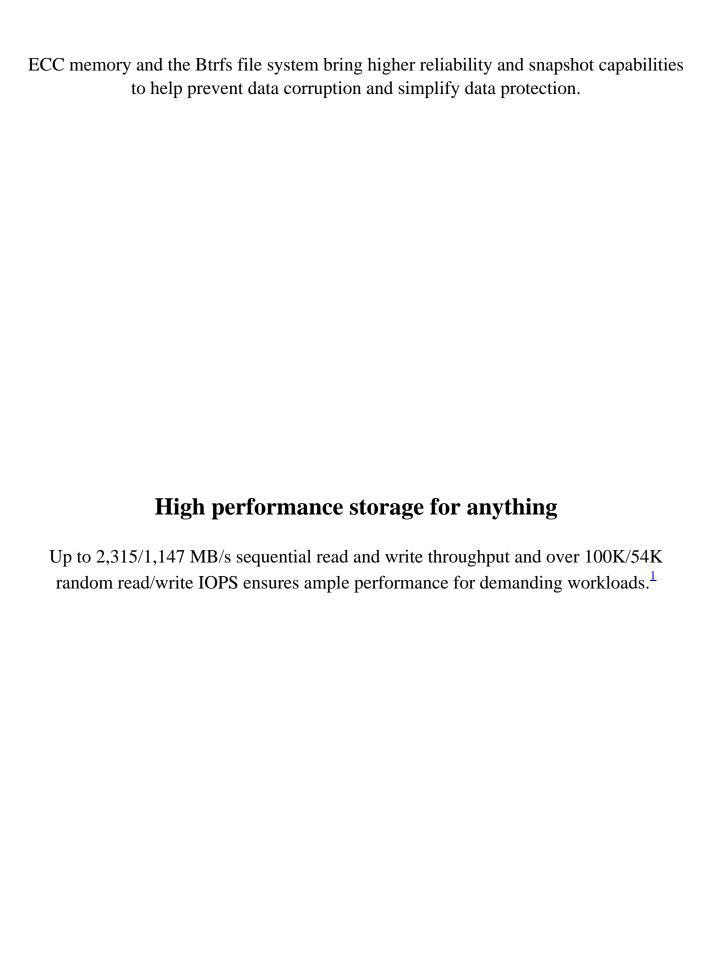
#### **Redundant power**

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



With room to grow with you	
Easily upgrade the RS1221RP+/RS1221+ to match your usage environment, while it's for performance, faster networking, or higher storage capacity. 3	nether
SSD cache	
Boost read/write IOPS over HDD-only arrays by 16X or more with NVMe or S SSD Cache <sup>4</sup>	SATA

# 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		RS1221+
Storage Management	Maximum Single Volume Size	108 TB
	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
	<b>8</b> **	• JBOD
		• RAID 5
		• RAID 6
	Global Hot Spare	Synology Hybrid
	Supported RAID Type	RAID
		• RAID 1
		• RAID 5
		• RAID 6
		• RAID 10
	Notes	
	* 1000D	

File System	Internal Drives	• Btrfs
		• ext4
	External Drives	• Btrfs
		• ext4
		• ext3
		• FAT
		• NTFS
		• HFS+
		• exFAT
	Notes	
File Services	File Protocol	• SMB
		• AFP
		• NFS
		• FTP
		• WebDAV
		• Rsync
	Maximum Concurrent	1,000
	SMB/AFP/FTP	1,000
	Connections	
	Maximum Concurrent	2,000
	SMB/AFP/FTP	2,000
	Connections (with RAM	
	expansion)	
	Windows Access Control	
	List (ACL) Integration	
	NFS Kerberos	
	Authentication	
	Notes	
Account & Shared Folder	Maximum Local User	2,048
Account & Shared Folder	Accounts	2,040
	Maximum Local Groups	256
	Maximum Shared Folder	512
	Maximum Shared Folder	16
	Sync Tasks	
Hybrid Share	Maximum Hybrid Share	10
	Folders	
Hyper Backup	Folder and Package	
··	Backup	
	Entire System Backup	
		†
	Notes	
High Availability	Notes Synology High Availability	

	Syslog Events per Second	1,000
 Virtualization	VMware ESXi 6.5 and	1,000
vii tuanzation	VAAI	
	Windows Server 2016	
	Windows Server 2019	
	Windows Server 2022	
	Citrix Ready	
	OpenStack	
General Specifications	Supported Protocols	SMB1 (CIFS), SMB2,
Seneral Specifications		SMB3, NFSv3, NFSv4,
		NFSv4.1, NFS Kerberized
		sessions, iSCSI, HTTP,
		HTTPs, FTP, SNMP, LDAP,
		CalDAV
	Supported Browsers	• Chrome
	Capported Diomsels	• Firefox
		• Edge
		• Safari
	Supported Language	English, Deutsch, Français,
	Supported Language	Italiano, Español, Dansk,
		Norsk, Svenska, Nederlands,
		???????, Polski, Magyar,
		Português do Brasil,
		Português Europeu, Türkçe,
		?eský, ???????, ???, ???,
		????, ????
	Notes	,
Central Management System		
Synology Chat		
Synology Chat	Suggested Users	150
	Notes	130
Download Station	Notes	
Dominoau Station	Maximum Concurrent	80
	Download Tasks	
SAN Manager	Download Tasks	
DI II I IVIGII GEOL	Maximum iSCSI Target	128
	Number	
	Maximum LUN	256
	LUN Clone/Snapshot,	250
	Windows ODX	
	Notes	
Synology MailPlus /	1 TOLES	
pynology main lus/		

MailPlus Server	Free Email Accounts	5 (Additional accounts
		require purchase of licenses)
	Suggested Users	750
	Notes	
Media Server		
	DLNA Compliance	
Synology Photos		
<del></del>	Facial Recognition	
	Object Recognition	
Snapshot Replication		
	Maximum Snapshots per	1,024
	Shared Folder	-,
	Maximum of System	65,536
	<b>Snapshots</b>	35,550
Surveillance Station		
Sai vernance Station	Default Licenses	2 (Additional cameras require
	Detaut Decises	purchase of licenses)
	Suggested Maximum IP	• 1080p: 40 channels,
	Cameras and Total FPS	1050 FPS
	(H.264)	• 3M: 40 channels, 600
	(11.204)	FPS
		• 5M: 40 channels, 440
		FPS
		• 4K: 32 channels, 320
		FPS
	Suggested Maximum IP	• 1080p: 40 channels,
	Cameras and Total FPS	1200 FPS
	(H.265)	• 3M: 40 channels,
	(11.202)	1120 FPS
		• 5M: 40 channels, 600
		FPS
		• 4K: 40 channels, 480
	Notes	FPS
Cymalagy Duiya	Notes	
Synology Drive	Dogommondod Mondo	550 (the number of
	Recommended Number of	
	<b>Concurrent Sync Clients</b>	connections that can be
		maintained when the
		recommended number of
		hosted files was reached)
	Recommended Number of	/ / \ \ <b>11</b>
	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	4,500
	Notes	
Virtual Machine Manager		
	Recommended Virtual	8 (Learn more)
	Machine Instances	
	Recommended Virtual	8 (including 1 Free License)
	DSM Number ( <u>Licenses</u>	
	<u>required)</u>	
	Notes	
VPN Server		
	<b>Maximum Connections</b>	40

**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 /	250 watts
Adapter	
<b>Total Memory Slots</b>	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

# **Product Gallery**

