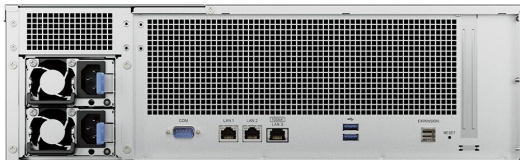


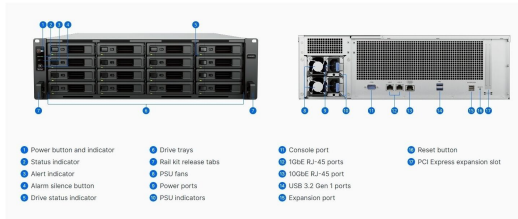
RS2825RP+

Synology RS2825RP+ 16 bay RackStation 3U

Product Overview

Synology RS2825RP+ 16 bay RackStation 3U, Expandable to 16 bay, AMD Ryzen V1780B 4 Core CPU, 8GB DDR4 ECC UDIMM Memory (2 DIMM slots), 16x 3.5"/2.5" SATA Drive bays, Hot Swappable Drive, 2x RJ-45 1GbE LAN Port, 1x RJ-45 10GbE LAN Port, 2x USB 3.2 Gen 1 Port, 1 Expansion Port, Mini-SAS HD Expansion Port Type, 1x Gen3 x8 slot (x4 Link) PCI-e Expansion, 3U Form Factor





Specifications

Overview Summary:

The Synology RS2825RP+ 16-bay RackStation is a powerful storage solution designed for South African businesses seeking reliable, high-performance data management. Equipped with an AMD Ryzen 4-core CPU and 8GB DDR4 ECC memory, this NAS ensures fast file access, multi-site synchronization, and robust backup capabilities. Its expandable design supports up to 28 drive bays, providing flexible growth for evolving storage needs. Shop now to secure seamless data protection and scalable storage for your organization.

With hot-swappable drives, redundant power supply, and advanced networking options including 10GbE and 1GbE ports, the RS2825RP+ is built for continuous operation. Ideal for backing up endpoints, syncing files across locations, and hosting private cloud environments, it offers versatile applications for IT infrastructure. Buy now to enhance your business continuity and data management strategies with Synology's trusted platform.

Performance tier:Enterprise-grade

Uses:Data storage, backup, multi-site synchronization, private cloud, file sharing, surveillance management, enterprise IT applications

Overview:

Synology RS2825RP+ 16-Bay RackStation

Experience reliable and scalable storage with the Synology RS2825RP+, a powerful 3U rack-mounted NAS designed for businesses that demand high performance, flexibility, and secure data management. Perfect for file serving, backups, multi-site synchronization, and enterprise collaboration, this NAS combines robust hardware with Synology's intuitive software to meet evolving storage needs.

Description:

The RS2825RP+ offers 16 drive bays compatible with 3.5" and 2.5" SATA drives, supporting hot-swappable disks for minimal downtime. Powered by an AMD Ryzen V1780B quad-core CPU and 8GB DDR4 ECC memory (expandable), it ensures smooth performance for intensive workloads. Equipped with 10GbE and 1GbE LAN ports, PCIe expansion, SSD cache support, and optional drive bay expansions, it delivers high-speed storage, network redundancy, and future-proof scalability. Ideal for secure file sharing, backup, virtualization, surveillance, and private cloud deployment, this NAS simplifies IT management while maintaining enterprise-level reliability.

Features:**High-Performance Storage and Network Capabilities**

- Sequential read/write speeds up to 3,519/1,790 MB/s
- Built-in 10GbE for faster data transfer
- Supports up to 560TB raw storage after expansion
- SSD caching to boost IOPS and reduce latency
- Expandable with RX1225RP for up to 28 drive bays

Scalable Configuration Options

- Add extra drive bays and networking ports as your storage demands grow
- Flexible SSD caching to accelerate frequently accessed data
- PCIe slot for additional network or storage expansion cards

Reliable Data Protection

- Redundant power supplies prevent single-point failures
- High availability allows automatic failover between two NAS units
- Network redundancy with Link Aggregation for load balancing and failover
- Immutable snapshots and offsite replication ensure tamper-proof data protection

Secure Multi-Site Collaboration

- Private cloud file sharing with granular access controls
- Multi-platform support via mobile apps, desktops, and web browsers
- Real-time document collaboration, mail server hosting, and secure messaging
- Automated NAS-to-NAS and public cloud synchronization for global workflows

Comprehensive Backup Solutions

- Backup for Windows, Mac, Linux, VMware, Hyper-V, and NAS/SAN
- Microsoft 365 and Google Workspace backup centralization
- Deduplication and multi-versioning for storage efficiency and flexible recovery
- Bare-metal and file-level restoration options for quick disaster recovery

Surveillance and Monitoring

- Supports over 8,700 IP cameras with centralized management
- Dual cloud recording for secure offsite storage
- Real-time monitoring and playback from anywhere via web interface

Centralized Management Tools

- Group policies, task delegation, and batch updates through a central console
- Active Insight for global performance monitoring, backup status, and login activity

Optimized Synology Drives

- Enterprise-grade HDDs and SSDs designed for Synology systems
- Deep integration ensures consistent performance, reliability, and simplified management

Specifications:

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Product Specification Sheet

Specifications	
Product Code	RS2825RP+
CPU	
CPU Model	AMD Ryzen V1780B
CPU Quantity	1
CPU Core	4
CPU Architecture	64-bit
CPU Frequency	3.35 (base) / 3.6 (turbo) GHz
Hardware Encryption Engine	Yes
Memory	
System Memory	8 GB DDR4 ECC UDIMM
Total Memory Slots	2
Maximum Memory Capacity	32 GB (16 GB x 2)
Notes	Synology may revise pre-installed memory module specifications in response to component lifecycle and supply conditions. All revised components undergo the same rigorous validation to ensure equivalent compatibility, stability, and performance.
Storage	
Drive Bays	16
Maximum Drive Bays with Expansion Unit	28 (RX1225RP x 1)
Drive Type (See all supported drives)	3.5" SATA HDD
	2.5" SATA SSD
Hot Swappable Drive	Yes
Notes	Compatible drives are mandatory. Please consult our compatibility list before purchasing hard drives. For more details, please refer to this article.
External Ports	
RJ-45 1GbE LAN Port	2
RJ-45 10GbE LAN Port	1
USB 3.2 Gen 1 Port	2
Expansion Port	1
Expansion Port Type	Mini-SAS HD
Notes	This device's 1GbE LAN ports have a maximum transmission unit (MTU) size of 1,500 bytes.
PCIe	
PCIe Expansion	1 x Gen3 x8 slot (x4 link)
Appearance	
Form Factor (RU)	3U
Size (Height x Width x Depth)	132.3 mm x 482 mm x 656.5 mm
Weight	17.3 kg

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Product Specification Sheet

Rack Installation Support	4-post 19" rack (Synology Rail Kit - RKS-02)
Notes	The rail kit is sold separately
Others	
System Fan	80 mm x 80 mm x 3 pcs
Fan Speed Mode	Full-Speed Mode
	Cool Mode
	Quiet Mode
Easy Replacement System Fan	Yes
Power Recovery	Yes
Noise Level	49.6 dB(A)
Scheduled Power On / Off	Yes
Wake on LAN / WAN	Yes
Power Supply Unit / Adapter	550 watts
Redundant Power Supply	Yes
AC Input Power Voltage	100 V to 240 V AC
Power Frequency	50/60 Hz, Single Phase
Power Consumption	134.48 watts (Access)
	50.81 watts (HDD Hibernation)
British Thermal Unit	459.17 BTU/hr (Access)
	173.49 BTU/hr (HDD Hibernation)
Notes	Noise testing was conducted with the Synology system fully installed with Synology SATA SSDs and in an idle state. Two G.R.A.S. type 40AE microphones were placed at a 1 m distance from the front and rear of the device. Background noise: 16.49-17.51 dB(A) , Temperature: 24.25-25.75degreesC , Humidity: 58.2-61.8%.
Temperature	
Operating Temperature	0degreesC to 35degreesC (32degreesF to 95degreesF)
Storage Temperature	-20degreesC to 60degreesC (-5degreesF to 140degreesF)
Operating Humidity	8% to 80% RH
Storage Humidity	5% to 95% RH
Certification	

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Product Specification Sheet

Certification	FCC
	CE
	BSMI
	VCCI
	RCM
	UKCA
	EAC
	CCC
	UL
Environment	
Environment	RoHS Compliant
Packaging Content	
Packaging Content	Main Unit X 1
	Accessory Pack X 1
	AC Power Cord X 2
Optional Accessories	
Optional Accessories	DDR4 ECC UDIMM: D4EU02-8G/D4EU02-16G
	Expansion Units: RX1225RP
	Enterprise Series 3.5" SATA HDD: HAT5300 Series
	Plus Series 3.5" SATA HDD: HAT3300 Series
	Enterprise Series 2.5" SATA SSD: SAT5200 Series
	M.2 SSD & 10GbE Combo Adapter Card: E10M20-T1
	M.2 SSD Adapter Card: M2D20
	25GbE Network Interface Card: E25G30-F2
	10GbE Network Interface Card: E10G30-F2/E10G30-T2/E10G18-T1
	Rail Kit Sliding: RKS-02

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: <https://www.comx.co.za/RS2825RP-Synology-RS2825RP-16-bay-RackStation-3U-Buy-p-333349.php>

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Product Specification Sheet

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