ComX Computers
Product Specification Sheet

SYN-RS3621XS+

Synology RackStation 12-bay 2U Rackmount NAS

Product Overview

Synology RackStation 12-bay 2U Rackmount NAS, Intel Xeon D-1541 8-core CPU, Hardware Encryption engine, 8GB DDR4 ECC UDIMM system Memory, 12x 3.5"/2.5" Drive bays, Hot Swappable Drive, 4x RJ-45 1GbE LAN Port, 2x RJ-45 10GbE LAN Port, 2x USB 3.2 Gen 1 Port, 2 Expansion Port, 2 x Gen3 x8 slots PCI-e Expansion







Specifications

Overview:

RackStation RS3621xs+
High-performance enterprise storage built for data accuracy and security.

Accelerate your business operations
The 12-bay RS3621xs+ is capable of delivering over 238K 4K random read IOPS and 5,819 MB/s sequential read throughput - a true enterprise powerhouse. With full power supply redundancy, an 8-core processor, ECC memory, advanced snapshot technology, and file self-healing, the RS3621xs+ provides a reliable foundation to any data-driven business.

Compute
Intel Xeon D-1541 8-core 2.1 GHz

Networking
Built-in dual-port 10GbE

Memory
8 GB ECC DDR4 Up to 64 GB

Scalability
Up to 36 drive bays with RX1217(RP)

Features:

Storage you can trust
The RS3621xs+ keeps your data protected while you concentrate on delivering the best results to your customers - even when disaster strikes.

Redundant power
Dual PSUs provide protection against a PSU failure or accidental cord removal while hot-swappable fans allow them to be replaced without powering down the system.

Maximize service availability
Synology High Availability (SHA) pairs two identical units together creating an active-passive cluster with minute-level failover.

Next-generation file system
Btrfs prevents data corruption and reduces maintenance overheads with advanced storage technologies and optimized snapshots.

Tailored to your business
The RS3621xs+ includes two PCIe slots for performance, networking, and storage upgrades enabling it to adapt to any business environment .

Hyper Backup
A comprehensive backup and recovery solution for securing data stored on Synology servers. Backup data locally, to another Synology device, rsync server, or cloud-based storage such as Google Drive, Dropbox, S3-compatible destinations, and Synology C2 . Deduplication, integrity checks, and incremental transfer technology reduce bandwidth and storage used.

Snapshot Replication
Easily schedule flexible point-in-time backups of shared folders and iSCSI 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.

Active Backup Suite
Enables administrators to easily backup the entire IT infrastructure to their NAS, including Windows & Linux workstations and servers, file servers, VMware and Hyper-V virtual machines, and Microsoft 365 and Google Workspace accounts. Backups benefit from deduplication, multiversioning, and optimizations to reduce bandwidth and storage used.

Storage for virtualization
Synology iSCSI storage supports mainstream virtualization solutions with an easy management interface to enhance usability. VMware vSphere 6.5 and VAAI integration helps offload storage operations. Windows Offloaded Data Transfer (ODX) speeds up data transfer. OpenStack Cinder support turns your Synology NAS into a block-based storage component. Additionally, Synology Storage Console enables even more simplified storage provisioning and management options in VMware and Windows environments.

Complete surveillance solution
Synology Surveillance Station transforms the RS3621xs+ into a feature-packed Network Video Recorder solution. Support for up to 90 IP cameras and video analytics such as motion detection, no idle zone, foreign object detection, and anomaly detection cater to the most common surveillance scenarios.

Secure and private
AES-256 encryption adds additional security to the locally-stored footage.

Access from anywhere, anytime
Access recordings and live streams whenever you want using a web browser, desktop client, or the DS cam mobile app.

Real-time alerts
Email, SMS, or push notifications alert you when incidents occur or predefined conditions are met.

Works best with Synology drives
Engineered to handle intensive 24/7 workloads, Synology drives consistently deliver top-grade performance.

Powered by Synology DiskStation Manager
The RS3621xs+ runs Synology DiskStation Manager (DSM), the web-based operating system with applications and services designed specifically for businesses.

Central Management System
Conveniently manage your fleet of Synology NAS from a centralized console.

Synology Drive
Instantly access your NAS files across multiple devices whenever you want, wherever you are.

Collaboration Suite
Satisfy all team collaboration needs behind the safety of your own private cloud with Synology Office, Calendar, and Chat.

Virtual Machine Manager
Run various operating systems in isolated sandboxes. Seamlessly clone, store, and migrate virtual machines.

Security
Secure data with comprehensive built-in security tools to protect your devices against evolving threats.

Public Cloud Integration
Back up and synchronize data easily between public cloud accounts and your NAS.

5-year Warranty
At Synology, we are committed to product innovation and quality. The RS3621xs+ is backed by a 5-year limited Warranty that includes technical support and hardware replacement services to maximize your return on investment.

Specifications:

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Specifications	
Product Code	SYN-RS3621XS+
CPU	

CPU Model	Intel Xeon D-1541
CPU Quantity	1
CPU Architecture	64-bit
CPU Frequency	8-core 2.1 (base) / 2.7 (turbo) GHz
Hardware Encryption Engine (AES-NI)	Yes
Memory	
System Memory	8 GB DDR4 ECC UDIMM
Memory Module Pre-installed	8 GB (8 GB x 1)
Total Memory Slots	4
Maximum Memory Capacity	64 GB (16 GB x 4)
Storage	
Drive Bays	12
Maximum Drive Bays with Expansion Unit	36 (RX1217/RX1217RP x 2)
Compatible Drive Type* (See all supported drives)	3.5" SATA HDD
	2.5" SATA SSD
Hot Swappable Drive	Yes
Notes	Synology only guarantees full functionality, reliability, and performance for Synology drives listed on the compatibility list. The use of non-validated components may limit certain functionality and result in data loss and system instability.
External Ports	
RJ-45 1GbE LAN Port	4 (with Link Aggregation / Failover support)
RJ-45 10GbE LAN Port	2 (with Link Aggregation / Failover support)
USB 3.2 Gen 1 Port	2
Expansion Port	2
Notes	The USB 3.0 standard was renamed to USB 3.2 Gen 1 by the USB Implementers Forum (USB-IF) in 2019.
PCIe	
PCIe Expansion	2 x Gen3 x8 slots (x8 link)
File System	
Internal Drives	Btrfs
	EXT4

External Drives	Btrfs
	EXT4
	EXT3
	FAT
	NTFS
	HFS+
	exFAT
Notes	exFAT Access can be installed for free from Package Center in DSM 7.0. In DSM 6.2 or earlier versions, exFAT Access needs to be purchased in Package Center.
Appearance	
Form Factor (RU)	2U
Size (Height x Width x Depth)	88 mm x 482 mm x 724 mm
Weight	14.5 kg
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 4 pcs
Fan Speed Mode	Full-Speed Mode
	Cool Mode
	Quiet Mode
Easy Replacement System Fan	Yes
Power Recovery	Yes
Noise Level	50.2 dB(A)
Scheduled Power On / Off	Yes
Wake on LAN / WAN	Yes
Power Supply Unit / Adapter	500 W
	550 W
Redundant Power Supply	Yes
AC Input Power Voltage	100 V to 240 V AC
Power Frequency	50/60 Hz, Single Phase
Power Consumption	142.5 W (Access)
	72.76 W (HDD Hibernation)
British Thermal Unit	485.93 BTU/hr (Access)
	248.11 BTU/hr (HDD Hibernation)

Notes	Power supply specifications may differ based on the hardware revision of the device. For more information, refer to the Product Change Notice.
	Power consumption is measured when it is fully loaded with Synology 8TB HAT5300-8T hard drive(s).
	Noise Level Testing Environment: Fully loaded with Seagate 2TB ST2000VN000 hard drive(s) in the idle state. Two G.R.A.S. Type 40AE microphones, each set up 1 meter away from the Synology NAS at the front and rear. Background noise: 16.49-17.51 dB(A), Temperature: 24.25-25.75 degreesC, Humidity: 58.2-61.8%
Temperature	
Operating Temperature	0 degreesC to 35 degreesC (32 degreesF to 95 degreesF)
Storage Temperature	-20 degreesC to 60 degreesC (-5 degreesF to 140 degreesF)
Relative Humidity	5% to 95% RH
Certification	
Certification	FCC
	CE
	BSMI
	VCCI
	RCM
	EAC
	CCC
	KC
	UL
Packaging Content	
Packaging Content	Main Unit X 1
	Accessory Pack X 1
	AC Power Cord X 2
	Quick Installation Guide X 1

Product Information Online

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

Product page:
https://www.comx-computers.co.za/SYN-RS3621XS-Synology-RackStation-12-bay-2U-Rackmount-NAS-p-284389.php

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