



# QNAP TS-h1277XU-RP-3700X-32G 168TB 12x14TB Seagate Exos 12 Bay NAS Rackmount Rack (2U) Ethernet LAN Black, Grey



**Brand :** QNAP

**Product code:** TS-H1277XU-RP-3700X-32G/168TB-EXOS

**Product name :** TS-h1277XU-RP-3700X-32G 168TB 12x14TB Seagate Exos 12 Bay NAS Rackmount

- Provides two built-in 10GbE SFP+ ports and pre-installed with a dual-port 10GbE RJ45 adapter for bandwidth-demanding applications
  - PCIe expandability allows for 10GbE/25GbE/40GbE adapters, QM2 cards, or Fibre Channel cards to increase application performance
  - SSD cache acceleration improves random read/write performance to meet IPOS-demanding applications
  - Supports virtualization storage for VMware®, Citrix®, Microsoft® Hyper-V® and Windows Server® 2019, and hosts virtual machines and containers
  - Supports block-based and file-based cloud storage gateways with local cache for low-latency access to cloud data
  - QTS App Center includes feature-rich apps for expanding NAS applications without extra costs
- TS-h1277XU-RP, AMD Ryzen 7 3700X, DDR4, 5 GB, 12x SATA III, 1G RJ-45, 10G SFP+, USB 3.1, 2U, 88.3x482x562 mm

Storage		Ports & interfaces	
Supported storage drive interfaces	Serial ATA II, Serial ATA III	PCI Express x8 (Gen 3.x) slots	2
Storage drive sizes supported	2.5,3.5"	<b>Design</b>	
RAID support *	✓	Chassis type *	Rack (2U)
RAID levels	0, 1, 5, 6, 10, 50, 60, JBOD	Cooling type *	Active
Online RAID migration	✓	Product colour	Black, Grey
Online RAID expansion	✓	Number of fans	2 fan(s)
RAID rebuild	✓	Fan diameter	7 cm
Hot-swap drive bays	✓	LED indicators	HDD, LAN, Status
Supported file systems	FAT32, HFS+, NTFS, ext3, ext4	<b>Performance</b>	
Storage drives installed *	✓	Type *	NAS
Total installed storage capacity *	168 TB	Device class *	Small & Medium Business
Number of storage drives installed *	12	Backup function *	✓
Number of storage drives supported *	12	Backup features	Cloud, iSCSI LUN
Installed storage drive type *	HDD	Buzzer	✓
Supported storage drive types *	HDD & SSD	Multilingual support	✓
<b>Processor</b>		Noise level	37.2 dB
Processor manufacturer *	AMD	Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SSH, SSL/TLS
Processor family *	AMD Ryzen™ 7	Access Control List (ACL)	✓
Processor model *	3700X	Reset button	✓
Processor frequency *	3.4 GHz	On/off switch	✓
Processor boost frequency	4.4 GHz	Built-in FTP server	✓
Processor cores	8	Browser supported	Mozilla Firefox, Microsoft Edge, Google Chrome, Apple Safari
Processor threads	16	System log	✓
<b>Memory</b>		Hot spare	✓
Internal memory type	DDR4	S.M.A.R.T. support	✓
Maximum RAM supported	128 GB	Share folder	CIFS/SMB
Memory slots	4	<b>Software</b>	
Internal memory *	32 GB	Windows operating systems supported	Windows 10, Windows 7, Windows 8
Memory form factor	UDIMM	Linux operating systems supported	✓
Flash memory	5000 MB		
<b>Network</b>			
Ethernet LAN *	✓		
Ethernet LAN data rates	1000,10000 Mbit/s		
Ethernet LAN data rate supported (max)	10000 Mbit/s		

Network		Software	
DHCP server	✓	Mac operating systems supported	Mac OS X 10.10 Yosemite, Mac OS X 10.11 El Capitan, Mac OS X 10.12 Sierra, Mac OS X 10.13 High Sierra, Mac OS X 10.14 Mojave, Mac OS X 10.15 Catalina, Mac OS X 10.7 Lion, Mac OS X 10.8 Mountain Lion, Mac OS X 10.9 Mavericks
Jumbo frames support	✓		
iSCSI support	✓		
Wake-on-LAN ready	✓		
Dynamic DNS (DDNS)	✓		
Ports & interfaces		Server operating systems supported	Windows Server 2003, Windows Server 2008 R2, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019
USB port *	✓		
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	4	Power	
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1	Power supply location	Built-in
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1	Power supply unit (PSU) capacity	300 W
Fiber ports quantity	2	Number of power supply units	2
Fiber optic connector	SFP+	Redundant power supply (RPS) support	✓
Ethernet LAN (RJ-45) ports *	4	Power consumption (typical)	106.66 W
PCI Express x4 (Gen 3.x) slots	2	AC input voltage	100 - 240 V
		Fan voltage	12 V
		Weight & dimensions	
		Width *	482 mm
		Depth *	562 mm
		Height *	88.3 mm
		Weight	13.7 kg
		Packaging content	
		Cables included	AC, LAN (RJ-45)
		Number of screws	84
		Operational conditions	
		Operating temperature (T-T)	0 - 40 °C
		Operating relative humidity (H-H)	5 - 95%
		Logistics data	
		Harmonized System (HS) code	84714100

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 25-MAR-2024. Prints or copies of Information are only valid on the printed Publication date