



# QNAP TS-H2477XU-RP-3700X-32G/336TB-EX NAS/storage server Rack (4U) AMD Ryzen™ 7 32 GB DDR4 HDD QuTS hero Black



**Brand :** QNAP

**Product code:** TS-H2477XU-  
RP-3700X-32G/336TB-EX

**Product name :** TS-H2477XU-  
RP-3700X-32G/336TB-EX

- Two built-in 10GbE SFP+ ports support iSER and empower bandwidth-demanding applications for virtualization, intensive file access, and large backup/restoration tasks
  - PCIe slots allow for installing 5/10/25GbE adapters, QM2 cards, or Fibre Channel cards to increase application potential and performance
  - SSD cache acceleration improves random read performance to boost IOPS-demanding applications
  - Supports storage for virtualization, and directly hosts virtual machines and containers
  - Cloud storage gateways realize hybrid cloud applications by working with the cache space reserved on NAS to ensure low-latency data access to the cloud
  - Experience a business-class backup center, supporting backup/restore of cloud data and VMs (including Google Workspace, Microsoft 365, VMware and Hyper-V)
- AMD Ryzen 7 3700X, 32 GB DDR4, 5 GB, 24x 3.5" SATA, 1G RJ-45, 10G SFP+, PCIe, USB, 4U,  
176.15x481.04x672.02 mm

Storage		Ports & interfaces	
Supported storage drive interfaces	Serial ATA II, Serial ATA III	Fiber optic connector	SFP+
Storage drive sizes supported	2.5,3.5"	Ethernet LAN (RJ-45) ports *	2
RAID support *	✓	PCI Express x4 (Gen 3.x) slots	2
RAID levels	0, 1, 5, 6, 10, 50, 60	PCI Express x8 (Gen 3.x) slots	2
Online RAID migration	✓	<b>Design</b>	
Online RAID expansion	✓	Chassis type *	Rack (4U)
Hot-swap drive bays	✓	Cooling type *	Active
Supported file systems	FAT32, HFS+, NTFS, ZFS, ext3, ext4	Product colour	Black
Storage drives installed *	✓	Number of fans	4 fan(s)
Total installed storage capacity *	336 TB	Fan diameter	9.2 cm
Number of storage drives installed *	24	LED indicators	✓
Number of storage drives supported *	24	<b>Performance</b>	
Installed storage drive type *	HDD	Type *	NAS
Supported storage drive types *	HDD & SSD	Device class *	Large Enterprise Business
Auto-rebuild	✓	Backup function *	✓
Bad block scan	✓	Backup features	Cloud, iSCSI LUN
Disk roaming	✓	Buzzer	✓
<b>Processor</b>		Multilingual support	✓
Processor manufacturer *	AMD	Snapshot	✓
Processor generation	AMD Ryzen 3000 Series	Web-based management	✓
Processor family *	AMD Ryzen™ 7	Security algorithms	256-bit AES, HTTPS, SSH, SSL/TLS
Processor model *	3700X	Reset button	✓
Processor frequency *	3.6 GHz	On/off switch	✓
Processor boost frequency	4.4 GHz	Browser supported	Internet Explorer 10+, Chrome, Safari 7+, Firefox
Processor cores	8	System log	✓
Processor threads	16	Hot spare	✓
<b>Memory</b>		S.M.A.R.T. support	✓
Internal memory *	32 GB	Universal Plug and Play (UPnP)	✓
Internal memory type	DDR4	<b>Software</b>	
Maximum RAM supported	128 GB	Operating system installed *	QuTS hero
Memory slots	4	Operating system version	4.5
Memory form factor	UDIMM	Windows operating systems supported	Windows 10, Windows 7, Windows 8
Flash memory	5000 MB		

Network		Software	
Ethernet LAN *	✓	Linux operating systems supported	✓
Ethernet LAN data rates	1000,10000 Mbit/s		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 10.15.3 Catalina, Mac OS X 11.0 Big Sur
Ethernet LAN data rate supported (max)	10000 Mbit/s	Mac operating systems supported	
DHCP client	✓		Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019
DHCP server	✓	Server operating systems supported	
Jumbo frames support	✓		
iSCSI support	✓		
Wake-on-LAN ready	✓		
Supported network protocols	FTP/FTPS, HTTP/HTTPS		
Link aggregation	✓		
Load balancing system	✓		
Dynamic DNS (DDNS)	✓		
WLAN adapter supported	✓		
Ports & interfaces		Power	
USB port *	✓	Power supply location	Built-in
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	4	Power supply unit (PSU) capacity	800 W
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1	Number of power supply units	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1	AC input voltage	100-240 V
Fiber ports quantity	2	Fan voltage	12 V
		Weight & dimensions	
		Width *	481 mm
		Depth *	672 mm
		Height *	176.2 mm
		Weight	22.7 kg
		Packaging content	
		Cables included	AC, LAN (RJ-45)
		Power cables quantity	2
		Number of screws	192
		Operational conditions	
		Operating temperature (T-T)	0 - 40 °C
		Operating relative humidity (H-H)	5 - 95%
		Storage temperature (T-T)	-20 - 70 °C

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