



# QNAP TS-H1677XU-RP-3700X-32G/288TBIWP NAS/storage server Rack (3U) AMD Ryzen™ 7 32 GB DDR4 288 TB HDD QuTS hero Black



**Brand :** QNAP

**Product code:** TS-H1677XU-  
RP-3700X-32G/288TBIWP

**Product name :** TS-H1677XU-  
RP-3700X-32G/288TBIWP

- 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 UDIMM DDR4, 16x 3.5" SATA, RJ-45, PCIe, USB 3.2, 3U, 130×481×573.5 mm

Storage		Design	
Supported storage drive interfaces	Serial ATA II, Serial ATA III	Chassis type *	Rack (3U)
Storage drive sizes supported	2.5,3.5"	Cooling type *	Active
RAID support *	✓	Product colour	Black
RAID levels	0, 1, 5, 6, 10, 50, 60, JBOD	Number of fans	4 fan(s)
Online RAID migration	✓	Fan diameter	9.2 cm
Online RAID expansion	✓	LED indicators	HDD, LAN, Status
RAID rebuild	✓	Performance	
Hot-swap drive bays	✓	Type *	NAS
Supported file systems	FAT32, HFS+, NTFS, ZFS, exFAT, ext3, ext4	Device class *	Small & Medium Business
Storage drives installed *	✓	Backup function *	✓
Total installed storage capacity *	288 TB	Backup features	Cloud, iSCSI LUN
Number of storage drives installed *	16	Buzzer	✓
Number of storage drives supported *	16	Multilingual support	✓
Installed storage drive type *	HDD	Noise level	46.6 dB
Supported storage drive types *	HDD & SSD	Third-party support	✓
Bad block scan	✓	Snapshot	✓
Disk roaming	✓	Web-based management	✓
Processor		Share folder access right management	✓
Processor manufacturer *	AMD	Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SSH
Processor generation	AMD Ryzen 3000 Series	Reset button	✓
Processor family *	AMD Ryzen™ 7	On/off switch	✓
Processor model *	3700X	Built-in FTP server	✓
Processor frequency *	3.6 GHz	Browser supported	Microsoft Internet Explorer 10+, Google Chrome, Apple Safari 7
Processor boost frequency	4.4 GHz	System log	✓
Processor cores	8	Hot spare	✓
Processor threads	16	Password authentication	✓
Memory		S.M.A.R.T. support	✓
Internal memory *	32 GB	Universal Plug and Play (UPnP)	✓
Internal memory type	DDR4	Software	
Maximum RAM supported	128 GB	Operating system installed *	QuTS hero
Memory slots	4	Operating system version	4.5
Memory form factor	UDIMM		
Flash memory	5000 MB		

Network		Software	
Ethernet LAN *	✓	Windows operating systems supported	Windows 10, Windows 7, Windows 8, Windows 8.1
Ethernet LAN data rates	1000,10000 Mbit/s	Linux operating systems supported	✓
Ethernet LAN data rate supported (max)	10000 Mbit/s	Mac operating systems supported	✓
DHCP server	✓	Server operating systems supported	Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019
Jumbo frames support	✓		
iSCSI support	✓		
Wake-on-LAN ready	✓		
Link aggregation	✓		
Load balancing system	✓		
Dynamic DNS (DDNS)	✓		
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	500 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	Redundant power supply (RPS) support	✓
Fiber ports quantity	2	Power consumption (typical)	136.45 W
Fiber optic connector	SFP+	AC input voltage	100-240 V
Ethernet LAN (RJ-45) ports *	2	Fan voltage	12 V
PCI Express x4 (Gen 3.x) slots	2		
PCI Express x8 (Gen 3.x) slots	2		
		Weight & dimensions	
		Width *	481 mm
		Depth *	573.5 mm
		Height *	130 mm
		Weight	15.3 kg
		Packaging content	
		Cables included	AC, LAN (RJ-45)
		Power cables quantity	2
		Number of screws	128
		Operational conditions	
		Operating temperature (T-T)	0 - 40 °C
		Operating relative humidity (H-H)	5 - 95%
		Storage temperature (T-T)	-20 - 70 °C
		Storage relative humidity (H-H)	5 - 95%

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