



# QNAP TS-H2477XU-RP-3700X-32G/144TBIWP NAS/storage server Rack (4U) AMD Ryzen™ 7 32 GB DDR4 144 TB HDD QuTS hero Black



**Brand :** QNAP

**Product code:** TS-H2477XU-  
RP-3700X-32G/144TBIWP

**Product name :** TS-H2477XU-  
RP-3700X-32G/144TBIWP

- 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 *	144 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		
Flash memory	5000 MB		

Network		Software	
Ethernet LAN *	✓	Windows operating systems supported	Windows 10, Windows 7, Windows 8
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	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
DHCP client	✓	Server operating systems supported	Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019
DHCP server	✓		
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

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