



QNAP TS-H1677XU-RP-3700X-32G/224TBIWP NAS/storage server Rack (3U) Ethernet LAN Black



Brand : QNAP

Product code: TS-H1677XU-RP-3700X-32G/224TBIWP

Product name : TS-H1677XU-RP-3700X-32G/224TBIWP

- 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 *	224 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 family *	AMD Ryzen™ 7	Reset button	✓
Processor model *	3700X	On/off switch	✓
Processor frequency *	3.6 GHz	Built-in FTP server	✓
Processor boost frequency	4.4 GHz	Browser supported	Microsoft Internet Explorer 10+, Google Chrome, Apple Safari 7
Processor cores	8	System log	✓
Processor threads	16	Hot spare	✓
Memory		Password authentication	✓
Internal memory type	DDR4	S.M.A.R.T. support	✓
Maximum RAM supported	128 GB	Universal Plug and Play (UPnP)	✓
Memory slots	4	Software	
Internal memory *	32 GB	Operating system installed *	QuTS hero
Memory form factor	UDIMM	Operating system version	4.5
Flash memory	5000 MB	Windows operating systems supported	Windows 10, Windows 7, Windows 8, Windows 8.1
Network		Linux operating systems supported	✓
Ethernet LAN *	✓	Mac operating systems supported	✓
Ethernet LAN data rates	1000,10000 Mbit/s		
Ethernet LAN data rate supported (max)	10000 Mbit/s		

Network		Software	
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	Weight & dimensions	
PCI Express x8 (Gen 3.x) slots	2	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%

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