QNAP TS-1677XU-RP NAS Rack (3U) AMD Ryzen™ 7 2700 16 GB DDR4 192 TB HDD QNAP Turbo System Black

Brand : QNAP

Product code: TS-1677XU-RP-2700-16G-192TB-GLD

Product name : TS-1677XU-RP

TS-1677XU-RP, AMD Ryzen 7 2700, 16 GB DDR4, 16x 3.5" SATA III, 10G SFP+, RJ-45, USB 3.1, 3U, 130x481x573.5 mm
QNAP TS-1677XU-RP. Type: NAS. Chassis type: Rack (3U). Device class: Small & Medium Business. Processor family: AMD Ryzen™ 7, Processor model: 2700, Processor frequency: 3.2 GHz. Internal memory: 16 GB, Internal memory type: DDR4. Total installed storage capacity: 192 TB, Installed storage drive type: HDD. Operating system installed: QNAP Turbo System

Storage	
Supported storage drive interfaces	Serial ATA, Serial ATA II, Serial ATA III
Storage drive sizes supported	2.5,3.5"
RAID support *	✓
RAID levels	0, 1, 5, 6, 10, JBOD
Online RAID migration	✓
Online RAID expansion	✓
RAID rebuild	✓
Hot-swap drive bays	✓
Supported file systems	FAT32, HFS+, NTFS, ext3, ext4
Storage drives installed *	✓
Total installed storage capacity *	192 TB
Number of storage drives supported *	16
Installed storage drive type *	HDD
Supported storage drive types *	HDD & SSD

Processor	
Processor family *	AMD Ryzen™ 7
Processor model *	2700
Processor frequency *	3.2 GHz
Processor boost frequency	4.1 GHz
Processor cores	8
Processor threads	16
Processor operating modes	64-bit

Memory	
Internal memory *	16 GB
Internal memory type	DDR4
Maximum RAM supported	64 GB
Memory slots	4

Network	
Ethernet LAN *	✓
Ethernet LAN data rates	10,100,1000,10000 Mbit/s
Ethernet LAN data rate supported (max)	10000 Mbit/s
Wi-Fi	✗
DHCP client	✓

Design	
Chassis type *	Rack (3U)
Cooling type *	Active
Product colour	Black
Number of fans	4 fan(s)
Fan diameter	9.2 cm
LED indicators	✓

Performance	
Type *	NAS
Device class *	Small & Medium Business
Backup function *	✓
Backup features	Cloud, iSCSI LUN
Multilingual support	✓
Web-based management	✓
Security algorithms	256-bit AES, FIPS 140-2, HTTPS, SNMP, SNMPv3, SSL/TLS
Access Control List (ACL)	✓
On/off switch	✓
Built-in iTunes server	✓
Built-in FTP server	✓
Browser supported	Chrome, Firefox, Internet Explorer 10+, Safari 7+
System log	✓
Hot spare	✓
S.M.A.R.T. support	✓
Share folder	CIFS/SMB
Universal Plug and Play (UPnP)	✓

Software	
Operating system installed *	QNAP Turbo System
Operating system version	4.3.4
Windows operating systems supported	Windows 10, Windows 7, Windows 8
Linux operating systems supported	✓
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 10.7 Lion, Mac OS X 10.8 Mountain Lion, Mac OS X 10.9 Mavericks

Network	
DHCP server	✓
Jumbo frames support	✓
iSCSI support	✓
Wake-on-LAN ready	✓
Supported network protocols	SSH, Telnet, HTTP(S), FTP, CIFS/SMB, AFP

Ports & interfaces	
USB port *	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	4
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Fiber ports quantity	2
Fiber optic connector	SFP+
Ethernet LAN (RJ-45) ports *	2
PCI Express x4 (Gen 3.x) slots	2
PCI Express x8 (Gen 3.x) slots	2

Software	
Server operating systems supported	Windows Server 2003, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016

Power	
Power supply location	Built-in
Power supply unit (PSU) capacity	500 W
Number of power supply units	2
AC input voltage	100-240 V
AC input frequency	50 - 60 Hz
Fan voltage	12 V

Weight & dimensions	
Width *	481 mm
Depth *	573.5 mm
Height *	130 mm

Packaging content	
Cables included	AC, LAN (RJ-45)
Quick installation guide	✓
Number of screws	128

Operational conditions	
Operating temperature (T-T)	0 - 40 °C
Operating relative humidity (H-H)	5 - 95%

Other features	
Digital Living Network Alliance (DLNA) certified	✓

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