



# QNAP TS-877XU-RP NAS Rack (2U) AMD Ryzen™ 5 2600 8 GB DDR4 8 TB HDD QNAP Turbo System Black



**Brand :** QNAP

**Product code:** TS-877XU-RP-2600-8G-8TB-GLD

**Product name :** TS-877XU-RP

- Two 10GbE SFP+ ports provide higher bandwidth to empower applications like virtualization, 4K video editing and file sharing
  - PCIe expandability allows for installing 10GbE/40GbE adapters, PCIe NVMe SSD, graphics cards, USB 3.1 Gen 2 (10Gbps) cards, or wireless network cards
  - Supports AMD Radeon™ and NVIDIA® graphics cards for video processing or GPU-passthrough to VMs
  - Qtier™ technology and SSD caching enable 24/7 optimized storage efficiency
  - Scalable storage supporting virtualization, containerized apps, centralized storage, backup, sharing, and disaster recovery
  - RAID 50/60 is recommended for NAS with over 6 disks to strike a balance between capacity, protection, and performance
- 2U, AMD Ryzen 5 2600 3.4 GHz, 8 GB DDR4, 8x 3.5", SATA 6 Gbps, 2x 10GbE SFP+, 2x RJ45, USB 3.1, USB 3.0, 4x PCIe, 100-240V AC, 50/60Hz, 2x 300W, QTS 4.3.4



Storage		Design	
Supported storage drive interfaces	Serial ATA III	Fan diameter 2	7 cm
Storage drive sizes supported	2.5,3.5"	LED indicators	✓
RAID support *	✓	Built-in display	✗
RAID levels	0, 1, 5, 6, 10, 50, JBOD	Performance	
Online RAID migration	✓	Type *	NAS
Online RAID expansion	✓	Device class *	Small & Medium Business
RAID rebuild	✓	Backup function *	✓
Hot-swap drive bays	✓	Backup features	Cloud, iSCSI LUN
Supported file systems	FAT32, HFS+, NTFS, exFAT, ext3, ext4	Multilingual support	✓
Storage drives installed *	✓	Noise level	37.7 dB
Total installed storage capacity *	8 TB	Third-party support	✓
Number of storage drives supported *	8	Built-in optical drive	✗
Installed storage drive type *	HDD	Card reader integrated	✗
Supported storage drive types *	HDD & SSD	Snapshot	✓
Bad block scan	✓	Management protocols	SNMP
Disk roaming	✓	Web-based management	✓
Processor		Share folder access right management	✓
Processor family *	AMD Ryzen™ 5	Security algorithms	256-bit AES, FIPS 140-2
Processor model *	2600	Access Control List (ACL)	✓
Processor frequency *	3.4 GHz	Built-in BitTorrent client	✓
Processor boost frequency	3.9 GHz	Built-in iTunes server	✓
Processor cores	6	Built-in FTP server	✓
Processor threads	12	Browser supported	Microsoft Internet Explorer 10, Mozilla Firefox, Google Chrome, Apple Safari 7+
CPU configuration (max)	1	System log	✓
Processor operating modes	64-bit	Hot spare	✓
Memory		Password authentication	✓
Internal memory *	8 GB	Disk scan	✓
Internal memory type	DDR4	S.M.A.R.T. support	✓
Maximum RAM supported	64 GB	Share folder	CIFS/SMB
Memory slots	4	Universal Plug and Play (UPnP)	✓
Memory form factor	DIMM	Software	
Network		Operating system installed *	QNAP Turbo System
Ethernet LAN *	✓	Operating system version	4.3.4
Ethernet LAN data rates	10,100,1000,10000 Mbit/s		

Network		Software	
Ethernet LAN data rate supported (max)	10000 Mbit/s	Windows operating systems supported	Windows 10, Windows 7, Windows 8
Wi-Fi	✗	Linux operating systems supported	✓
DHCP client	✓	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
DHCP server	✓		
Jumbo frames support	✓		
iSCSI support	✓		
Wake-on-LAN ready	✓	Server operating systems supported	Windows Server 2003, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016
Supported network protocols	TCP/IP, IPv4, IPv6, NAT, STP, SSH, Telnet, HTTP(S), FTP, CIFS/SMB, AFP		
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	300 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	AC input voltage	100-240 V
Fiber optic connector	SFP+	AC input frequency	50 - 60 Hz
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 *	482 mm
		Depth *	562 mm
		Height *	88.3 mm
Design		Packaging content	
Chassis type *	Rack (2U)	Cables included	AC, LAN (RJ-45)
Cooling type *	Active	Quick installation guide	✓
Product colour	Black	Number of screws	56
Number of fans	2 fan(s)	Sustainability	
Fan diameter	7 cm	Sustainability certificates	RoHS
		Operational conditions	
		Operating temperature (T-T)	0 - 40 °C
		Operating relative humidity (H-H)	5 - 95%
		Other features	
		Digital Living Network Alliance (DLNA) certified	✓
		Compliance certificates	RoHS

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