QNAP TS-877XU-RP NAS Rack (2U) AMD Ryzen™ 3 1200 4 GB DDR4 80 TB HDD QNAP Turbo System Black

Brand : QNAP

Product code: TS-877XU-RP-1200-4G-80TB-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 3 1200 3.1 GHz, 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	
Supported storage drive interfaces	Serial ATA III
Storage drive sizes supported	2.5,3.5"
RAID support *	✓
RAID levels	0, 1, 5, 6, 10, 50, JBOD
Online RAID migration	✓
Online RAID expansion	✓
RAID rebuild	✓
Hot-swap drive bays	✓
Supported file systems	FAT32, HFS+, NTFS, exFAT, ext3, ext4
Storage drives installed *	✓
Total installed storage capacity *	80 TB
Number of storage drives supported *	8
Installed storage drive type *	HDD
Supported storage drive types *	HDD & SSD
Bad block scan	✓
Disk roaming	✓

Processor	
Processor family *	AMD Ryzen™ 3
Processor model *	1200
Processor frequency *	3.1 GHz
Processor boost frequency	3.4 GHz
Processor cores	4
Processor threads	4
CPU configuration (max)	1
Processor operating modes	64-bit

Memory	
Internal memory *	4 GB
Internal memory type	DDR4
Maximum RAM supported	64 GB
Memory slots	4
Memory form factor	DIMM

Network	
Ethernet LAN *	✓
Ethernet LAN data rates	10,100,1000,10000 Mbit/s

Design	
LED indicators	✓
Built-in display	✗

Performance	
Type *	NAS
Device class *	Small & Medium Business
Backup function *	✓
Backup features	Cloud, iSCSI LUN
Multilingual support	✓
Noise level	37.7 dB
Third-party support	✓
Built-in optical drive	✗
Card reader integrated	✗
Snapshot	✓
Management protocols	SNMP
Web-based management	✓
Share folder access right management	✓
Security algorithms	256-bit AES, FIPS 140-2
Access Control List (ACL)	✓
Built-in BitTorrent client	✓
Built-in iTunes server	✓
Built-in FTP server	✓
Browser supported	Microsoft Internet Exploer 10, Mozilla Firefox, Google Chrome, Apple Safari 7+
System log	✓
Hot spare	✓
Password authentication	✓
Disk scan	✓
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

Network	
Ethernet LAN data rate supported (max)	10000 Mbit/s
Wi-Fi	✗
DHCP client	✓
DHCP server	✓
Jumbo frames support	✓
iSCSI support	✓
Wake-on-LAN ready	✓
Supported network protocols	TCP/IP, IPv4, IPv6, NAT, STP, SSH, Telnet, HTTP(S), FTP, CIFS/SMB, AFP
Dynamic DNS (DDNS)	✓

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

Design	
Chassis type *	Rack (2U)
Cooling type *	Active
Product colour	Black
Number of fans	2 fan(s)
Fan diameter	7 cm
Fan diameter 2	7 cm

Software	
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
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	300 W
Number of power supply units	2
Redundant power supply (RPS) support	✓
Power consumption (typical)	86.04 W
AC input voltage	100-240 V
AC input frequency	50 - 60 Hz
Fan voltage	12 V

Weight & dimensions	
Width *	482 mm
Depth *	562 mm
Height *	88.3 mm

Packaging content	
Cables included	AC, LAN (RJ-45)
Quick installation guide	✓
Number of screws	56

Sustainability	
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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Publication date: 09-AUG-2024. Prints or copies of Information are only valid on the printed Publication date