



# QNAP TS-1677XU-RP NAS Rack (3U) AMD Ryzen™ 3 1200 4 GB DDR4 16 TB HDD QNAP Turbo System Black



Brand : QNAP

Product code: TS-1677XU-RP-1200-4G-16TB-GLD

Product name : TS-1677XU-RP

3U, AMD Ryzen 3 1200 3.1 GHz, 4 GB DDR4, 16x 3.5", SATA 6 Gbps, 2x 10GbE SFP+, 2x RJ45, USB 3.1, USB 3.0, 4x PCIe, 100-240V AC, 50/60Hz, 500W, QTS 4.3.4

QNAP TS-1677XU-RP. Type: NAS. Chassis type: Rack (3U). Device class: Small & Medium Business. Processor family: AMD Ryzen™ 3, Processor model: 1200, Processor frequency: 3.1 GHz. Internal memory: 4 GB, Internal memory type: DDR4. Total installed storage capacity: 16 TB, Installed storage drive type: HDD. Operating system installed: QNAP Turbo System



| Storage                              |                                      | Design                               |   |
|--------------------------------------|--------------------------------------|--------------------------------------|---|
| Supported storage drive interfaces   | Serial ATA III                       | Fan diameter 2                       | 9.2 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 *           | ✓                                    | Third-party support                  | ✓   |
| Total installed storage capacity *   | 16 TB                                | Built-in optical drive               | ✗   |
| Number of storage drives supported * | 16                                   | Card reader integrated               | ✗   |
| Installed storage drive type *       | HDD                                  | Snapshot                             | ✓   |
| Supported storage drive types *      | HDD & SSD                            | Management protocols                 | SNMP  |
| Bad block scan                       | ✓                                    | Web-based management                 | ✓   |
| Disk roaming                         | ✓                                    | Share folder access right management | ✓   |
| Processor                            |                                      | Security algorithms                  | 256-bit AES, FIPS 140-2   |
| Processor family *                   | AMD Ryzen™ 3                         | Access Control List (ACL)            | ✓   |
| Processor model *                    | 1200                                 | Built-in BitTorrent client           | ✓   |
| Processor frequency *                | 3.1 GHz                              | Built-in iTunes server               | ✓   |
| Processor boost frequency            | 3.4 GHz                              | Built-in FTP server                  | ✓   |
| Processor cores                      | 4                                    | Browser supported                    | Microsoft Internet Explorer 10, Mozilla Firefox, Google Chrome, Apple Safari 7+ |
| Processor threads                    | 4                                    | System log                           | ✓   |
| CPU configuration (max)              | 1                                    | Hot spare                            | ✓   |
| Processor operating modes            | 64-bit                               | Password authentication              | ✓   |
| Memory                               |                                      | Disk scan                            | ✓   |
| Internal memory *                    | 4 GB                                 | S.M.A.R.T. support                   | ✓   |
| Internal memory type                 | DDR4                                 | Share folder                         | CIFS/SMB  |
| Maximum RAM supported                | 64 GB                                | Universal Plug and Play (UPnP)       | ✓   |
| Memory slots                         | 4                                    | Software                             |   |
| Memory form factor                   | DIMM                                 | Operating system installed *         | QNAP Turbo System   |
| Network                              |                                      | Operating system version             | 4.3.4   |
| Ethernet LAN *                       | ✓                                    | Windows operating systems supported  | Windows 10, Windows 7, Windows 8  |
| Ethernet LAN data rates              | 10,100,1000,10000 Mbit/s             |                                      |   |

| Network   |  | Software   |  |
|---|--|--|--|
| Ethernet LAN data rate supported (max)          | 10000 Mbit/s   | Linux operating systems supported                | ✓<br>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 |
| Wi-Fi   | ✗  | Mac operating systems supported                  | Windows Server 2003, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016  |
| DHCP client                                     | ✓  | Server operating systems supported               |  |
| 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                              |  | 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  | 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 *  | 481 mm   |
|   |  | Depth *  | 573.5 mm   |
|   |  | Height *   | 130 mm   |
| Design  |  | Packaging content                                |  |
| Chassis type *                                  | Rack (3U)  | Cables included                                  | AC, LAN (RJ-45)  |
| Cooling type *                                  | Active   | Quick installation guide                         | ✓  |
| Product colour                                  | Black  | Number of screws                                 | 128  |
| Number of fans                                  | 2 fan(s)   | Sustainability                                   |  |
| Fan diameter                                    | 9.2 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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