



QNAP TS-H2477XU-RP-3700X-32G/48TB-GOL NAS/storage server Rack (4U) Ethernet LAN Black



Brand : QNAP

Product code: TS-H2477XU-
RP-3700X-32G/48TB-GOL

Product name : TS-H2477XU-
RP-3700X-32G/48TB-GOL

- 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 DDR4, 5 GB, 24x 3.5" SATA, 1G RJ-45, 10G SFP+, PCIe, USB, 4U, 176.15x481.04x672.02 mm

| Storage | | Ports & interfaces | |
|--|------------------------------------|-------------------------------------|---|
| Supported storage drive interfaces | Serial ATA II, Serial ATA III | Fiber optic connector | SFP+ |
| Storage drive sizes supported | 2.5,3.5" | Ethernet LAN (RJ-45) ports * | 2 |
| RAID support * | ✓ | PCI Express x4 (Gen 3.x) slots | 2 |
| RAID levels | 0, 1, 5, 6, 10, 50, 60 | PCI Express x8 (Gen 3.x) slots | 2 |
| Online RAID migration | ✓ | Design | |
| Online RAID expansion | ✓ | Chassis type * | Rack (4U) |
| Hot-swap drive bays | ✓ | Cooling type * | Active |
| Supported file systems | FAT32, HFS+, NTFS, ZFS, ext3, ext4 | Product colour | Black |
| Storage drives installed * | ✓ | Number of fans | 4 fan(s) |
| Total installed storage capacity * | 48 TB | Fan diameter | 9.2 cm |
| Number of storage drives installed * | 24 | LED indicators | ✓ |
| Number of storage drives supported * | 24 | Performance | |
| Installed storage drive type * | HDD | Type * | NAS |
| Supported storage drive types * | HDD & SSD | Device class * | Large Enterprise Business |
| Auto-rebuild | ✓ | Backup function * | ✓ |
| Bad block scan | ✓ | Backup features | Cloud, iSCSI LUN |
| Disk roaming | ✓ | Buzzer | ✓ |
| Processor | | Multilingual support | ✓ |
| Processor manufacturer * | AMD | Snapshot | ✓ |
| Processor family * | AMD Ryzen™ 7 | Web-based management | ✓ |
| Processor model * | 3700X | Security algorithms | 256-bit AES, HTTPS, SSH, SSL/TLS |
| Processor frequency * | 3.6 GHz | Reset button | ✓ |
| Processor boost frequency | 4.4 GHz | On/off switch | ✓ |
| Processor cores | 8 | Browser supported | Internet Explorer 10+, Chrome, Safari 7+, Firefox |
| Processor threads | 16 | System log | ✓ |
| Memory | | Hot spare | ✓ |
| 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 |
| Network | | Linux operating systems supported | ✓ |
| Ethernet LAN * | ✓ | | |
| Ethernet LAN data rates | 1000,10000 Mbit/s | | |
| Ethernet LAN data rate supported (max) | 10000 Mbit/s | | |

| Network | | Software | |
|---|----------------------|---|--|
| DHCP client | ✓ | Mac operating systems supported Server 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 10.14 Mojave, Mac OS X 10.15 Catalina, Mac OS X 10.15.3 Catalina, Mac OS X 11.0 Big Sur Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019 |
| DHCP server | ✓ | | |
| Jumbo frames support | ✓ | | |
| iSCSI support | ✓ | | |
| Wake-on-LAN ready | ✓ | | |
| Supported network protocols | FTP/FTPS, HTTP/HTTPS | | |
| Link aggregation | ✓ | | |
| Load balancing system | ✓ | | |
| Dynamic DNS (DDNS) | ✓ | Power | |
| WLAN adapter supported | ✓ | Power supply location | Built-in |
| Ports & interfaces | | Power supply unit (PSU) capacity | 800 W |
| USB port * | ✓ | Number of power supply units | 2 |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity | 4 | AC input voltage | 100-240 V |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity | 1 | Fan voltage | 12 V |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity | 1 | Weight & dimensions | |
| Fiber ports quantity | 2 | Width * | 481 mm |
| | | Depth * | 672 mm |
| | | Height * | 176.2 mm |
| | | Weight | 22.7 kg |
| | | Packaging content | |
| | | Cables included | AC, LAN (RJ-45) |
| | | Power cables quantity | 2 |
| | | Number of screws | 192 |
| | | Operational conditions | |
| | | Operating temperature (T-T) | 0 - 40 °C |
| | | Operating relative humidity (H-H) | 5 - 95% |
| | | Storage temperature (T-T) | -20 - 70 °C |

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 25-MAR-2024. Prints or copies of Information are only valid on the printed Publication date