

QNAP TS-h1277XU-RP-3700X-32G 192TB 12x16TB Seagate Exos 12 Bay NAS Rackmount Rack (2U) AMD Ryzen™ 7 32 GB DDR4 HDD Black, Grey



Brand : QNAP

Product code: TS-H1277XU-RP-3700X-32G/192TB-EXOS

Product name : TS-h1277XU-RP-3700X-32G 192TB 12x16TB Seagate Exos 12 Bay NAS Rackmount

- Provides two built-in 10GbE SFP+ ports and pre-installed with a dual-port 10GbE RJ45 adapter for bandwidth-demanding applications
 - PCIe expandability allows for 10GbE/25GbE/40GbE adapters, QM2 cards, or Fibre Channel cards to increase application performance
 - SSD cache acceleration improves random read/write performance to meet IPOS-demanding applications
 - Supports virtualization storage for VMware®, Citrix®, Microsoft® Hyper-V® and Windows Server® 2019, and hosts virtual machines and containers
 - Supports block-based and file-based cloud storage gateways with local cache for low-latency access to cloud data
 - QTS App Center includes feature-rich apps for expanding NAS applications without extra costs
- TS-h1277XU-RP, AMD Ryzen 7 3700X, DDR4, 5 GB, 12x SATA III, 1G RJ-45, 10G SFP+, USB 3.1, 2U, 88.3x482x562 mm

| Storage | | Ports & interfaces | |
|--------------------------------------|-------------------------------|-------------------------------------|--|
| Supported storage drive interfaces | Serial ATA II, Serial ATA III | PCI Express x8 (Gen 3.x) slots | 2 |
| Storage drive sizes supported | 2.5,3.5" | Design | |
| RAID support * | ✓ | Chassis type * | Rack (2U) |
| RAID levels | 0, 1, 5, 6, 10, 50, 60, JBOD | Cooling type * | Active |
| Online RAID migration | ✓ | Product colour | Black, Grey |
| Online RAID expansion | ✓ | Number of fans | 2 fan(s) |
| RAID rebuild | ✓ | Fan diameter | 7 cm |
| Hot-swap drive bays | ✓ | LED indicators | HDD, LAN, Status |
| Supported file systems | FAT32, HFS+, NTFS, ext3, ext4 | Performance | |
| Storage drives installed * | ✓ | Type * | NAS |
| Total installed storage capacity * | 192 TB | Device class * | Small & Medium Business |
| Number of storage drives installed * | 12 | Backup function * | ✓ |
| Number of storage drives supported * | 12 | Backup features | Cloud, iSCSI LUN |
| Installed storage drive type * | HDD | Buzzer | ✓ |
| Supported storage drive types * | HDD & SSD | Multilingual support | ✓ |
| Processor | | Noise level | 37.2 dB |
| Processor manufacturer * | AMD | Security algorithms | 256-bit AES, FIPS 140-2, HTTPS, SSH, SSL/TLS |
| Processor generation | AMD Ryzen 3000 Series | Access Control List (ACL) | ✓ |
| Processor family * | AMD Ryzen™ 7 | Reset button | ✓ |
| Processor model * | 3700X | On/off switch | ✓ |
| Processor frequency * | 3.4 GHz | Built-in FTP server | ✓ |
| Processor boost frequency | 4.4 GHz | Browser supported | Mozilla Firefox, Microsoft Edge, Google Chrome, Apple Safari |
| Processor cores | 8 | System log | ✓ |
| Processor threads | 16 | Hot spare | ✓ |
| Memory | | S.M.A.R.T. support | ✓ |
| Internal memory * | 32 GB | Share folder | CIFS/SMB |
| Internal memory type | DDR4 | Software | |
| Maximum RAM supported | 128 GB | Windows operating systems supported | Windows 10, Windows 7, Windows 8 |
| Memory slots | 4 | Linux operating systems supported | ✓ |
| Memory form factor | UDIMM | | |
| Flash memory | 5000 MB | | |

| Network | | Software | |
|---|-------------------|--------------------------------------|---|
| Ethernet LAN * | ✓ | | 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 10.7 Lion, Mac OS X 10.8 Mountain Lion, Mac OS X 10.9 Mavericks |
| Ethernet LAN data rates | 1000,10000 Mbit/s | Mac operating systems supported | |
| Ethernet LAN data rate supported (max) | 10000 Mbit/s | | |
| DHCP server | ✓ | | |
| Jumbo frames support | ✓ | | |
| iSCSI support | ✓ | Server operating systems supported | Windows Server 2003, Windows Server 2008 R2, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019 |
| Wake-on-LAN ready | ✓ | | |
| 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 | Power consumption (typical) | 106.66 W |
| Fiber optic connector | SFP+ | AC input voltage | 100 - 240 V |
| Ethernet LAN (RJ-45) ports * | 4 | Fan voltage | 12 V |
| PCI Express x4 (Gen 3.x) slots | 2 | Weight & dimensions | |
| | | Width * | 482 mm |
| | | Depth * | 562 mm |
| | | Height * | 88.3 mm |
| | | Weight | 13.7 kg |
| | | Packaging content | |
| | | Cables included | AC, LAN (RJ-45) |
| | | Number of screws | 84 |
| | | Operational conditions | |
| | | Operating temperature (T-T) | 0 - 40 °C |
| | | Operating relative humidity (H-H) | 5 - 95% |
| | | Logistics data | |
| | | Harmonized System (HS) code | 84714100 |

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