QNAP

QNAP TS-H1277AXU-RP NAS Rack (2U) Ethernet LAN Black E-2136

Brand : QNAP

Product code: TS-H1277AXU-RP-R7-32G

Product name : TS-H1277AXU-RP

AMD Ryzen[™] 7000 Series processors, DDR5, and M.2 PCIe Gen 5

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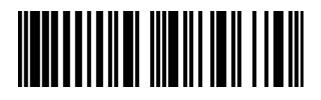
Powered by AMD Ryzen[™] 7000 Series processors based on the cutting-edge AMD socket AM5 platform, the ZFS-based TS-h1277AXU-RP storage and backup solution unleashes superb performance and enterprise-level potential. With a revolutionary multi-core processor, DDR5 RAM, M.2 PCIe Gen 5, and redundant power supplies, the TS-h1277AXU-RP delivers excellent performance, ultra-large bandwidth, and trusted reliability for performance-demanding Tier 2 storage, virtualization, 4K video editing, and PB-level storage applications.





| Storage | | Performance | |
|--------------------------------------|--------------------------------|--|---|
| Storage drive capacity * | 14 TB | Device class * | Large Enterprise Business |
| Storage drive interface * | Serial ATA II, Serial ATA III | Backup function * | 1 |
| Supported storage drive interfaces | Serial ATA II, Serial ATA III | Backup features | Cloud, iSCSI LUN |
| Storage drive sizes supported | 2.5,3.5" | Buzzer | 1 |
| RAID support * | 1 | Multilingual support | 1 |
| RAID levels | 0, 1, 5, 6, 10, 50, 60, JBOD | Snapshot | 1 |
| Online RAID migration | 1 | Web-based management | 1 |
| Online RAID expansion | 1 | Security algorithms | 256-bit AES, FIPS 140-2, TLS |
| RAID rebuild | 1 | Access Control List (ACL) | 1 |
| Hot-swap drive bays | 1 | Reset button | 1 |
| Supported file systems | FAT32, HFS+, NTFS, ZFS, exFAT, | On/off switch | 1 |
| | ext3, ext4 | Built-in FTP server | 1 |
| Storage drives installed * | | Browser supported | Apple Safari, Google Chrome, |
| Total installed storage capacity * | 168 TB | | Microsoft Edge, Mozilla Firefox |
| Number of storage drives installed * | | System log | |
| Number of storage drives supported * | 12 | Hot spare | 1 |
| Installed storage drive type * | HDD | Disk scan | |
| Supported storage drive type * | HDD & SSD | S.M.A.R.T. support | V |
| Disk roaming | √ × | Share folder | CIFS/SMB |
| Processor | • | Software | |
| | | Operating system installed * | QuTS hero |
| Processor manufacturer * | Intel | Operating system version | h5.0.0 |
| Processor family * | Intel Xeon E | Windows operating systems | Windows 10, Windows 7, Windows |
| Processor model * | E-2136 | supported | |
| Processor frequency * | 3.3 GHz | Linux operating systems supported | 1 |
| Processor boost frequency | 4.5 GHz | Mac operating systems supported | |
| Processor cores | 6 | | Windows Server 2008 R2, Window Server 2012, Windows Server 201 |
| Processor threads | 12 | Server operating systems supported | R2, Windows Server 2016, Window |
| Processor cache | 12 MB | | Server 2019 |
| Bus type CPU configuration (max) | DMI3 1 | Power | |
| | 1 | Power supply location | Built-in |
| Memory | | Power supply unit (PSU) capacity | 500 W |
| Internal memory type | DDR4 | Number of power supply units | 2 |
| Maximum RAM supported | 32 GB | Redundant power supply (RPS) | 1 |
| Memory slots | 4 | support | v |
| Internal memory * | 32 GB | Power consumption (typical) | 105.12 W |
| incernal memory | | AC in much contract to a | 100 - 240 V |
| Memory form factor | UDIMM | AC input voltage | 100 - 240 V |
| Memory form factor ECC | UDIMM ✓ 5000 MB | AC input voltage AC input frequency | 50 - 60 Hz 12 V |

| Network | | Weight & dimensions | | |
|---|-------------------|---|-----------------|--|
| Ethernet LAN * | ✓ | Width * | 482 mm | |
| Ethernet LAN data rates | 1000,10000 Mbit/s | Depth * | 562 mm | |
| Ethernet LAN data rate supported | 10000 Mbit/s | Height * | 88.3 mm | |
| (max) | | Packaging content | | |
| DHCP client | 4 | Cables included | AC, LAN (RJ-45) | |
| DHCP server | 4 | Power cables quantity | 2 | |
| Jumbo frames support | * | Number of screws | 84 | |
| iSCSI support | * | | | |
| Wake-on-LAN ready Dynamic DNS (DDNS) | * | Processor special features | | |
| | * | Embedded options available | × | |
| Ports & interfaces | | Enhanced Intel SpeedStep Technology | 1 | |
| USB port * | ✓ | Execute Disable Bit | 1 | |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A | 4 | Idle States | | |
| ports quantity | | Intel 64 | | |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity | 2 | Intel Enhanced Halt State | | |
| Fiber ports quantity | 2 | Intel Secure Key Technology version | 1 00 | |
| Fiber optic connector | SFP+ | Intel Trusted Execution Technology | ✓ | |
| Ethernet LAN (RJ-45) ports * | 6 | Intel TSX-NI | 1 | |
| PCI Express x4 (Gen 3.x) slots | 2 | Intel TSX-NI version | 1.00 | |
| PCI Express x8 (Gen 3.x) slots | 1 | Intel Virtualization Technology (VT- | | |
| | - | x) | ✓ | |
| Design | | Intel Virtualization Technology for | 1 | |
| Chassis type * | Rack (2U) | Directed I/O (VT-d) | • | |
| Cooling type * | Active | Intel VT-x with Extended Page Tables (EPT) | 1 | |
| Product colour | Black | | | |
| Number of fans | 2 fan(s) | Operational conditions | | |
| Fan diameter | 6 cm | Operating temperature (T-T) | 0 - 40 °C | |
| LED indicators | HDD, LAN, Status | Operating relative humidity (H-H) | 5 - 95% | |
| Performance | | Storage temperature (T-T) | -20 - 70 °C | |
| Type * | NAS | Storage relative humidity (H-H) | 5 - 95% | |
| | | Logistics data | | |
| | | Harmonized System (HS) code | 84714100 | |



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