



QNAP TS-432PXU-2G NAS Rack (1U) Annapurna Labs Alpine AL-324 2 GB DDR4 48 TB HDD Black

Brand : QNAP

Product code: TS-432PXU-2G/48TB-EXOS

Product name : TS-432PXU-2G



- Two 10GbE SFP+ and two 2.5GbE RJ45 network ports accelerate file sharing
- HBS (Hybrid Backup Sync) backs up and syncs data to other NAS, servers and cloud storage for comprehensive disaster recovery planning
- Boxafe provides an extra layer of protection by backing up emails, cloud drives, contacts, and calendars of Google™ G Suite and Microsoft 365®
- Snapshots fully record system status and data, allowing you to protect files and data from accidental deletion and malware attacks
- Expand the application potential of the TS-432PXU by installing a compatible PCIe card
- Increase the storage capacity of the TS-432PXU with QNAP TR RAID expansion enclosures or TL JBOD 4x 3.5", 2GB DDR3, Alpine AL324, 2.5G RJ-45, 10G SFP+, USB 3.2, 250W PSU, 44x439x499 mm

| Storage | | Design | |
|--|-------------------------------|-------------------------------------|---|
| Supported storage drive interfaces | Serial ATA II, Serial ATA III | Chassis type * | Rack (1U) |
| Storage drive sizes supported | 2.5,3.5" | Cooling type * | Active |
| RAID support * | ✓ | Product colour | Black |
| RAID levels | 0, 1, 5, 6, 10, JBOD | Number of fans | 2 fan(s) |
| Online RAID migration | ✓ | Fan diameter | 4 cm |
| Online RAID expansion | ✓ | LED indicators | HDD, LAN, Status |
| RAID rebuild | ✓ | Performance | |
| Hot-swap drive bays | ✓ | Type * | NAS |
| Supported file systems | FAT32, HFS+, NTFS, ext3, ext4 | Device class * | Small & Medium Business |
| Storage drives installed * | ✓ | Backup function * | ✓ |
| Total installed storage capacity * | 48 TB | Backup features | Cloud, iSCSI LUN |
| Number of storage drives installed * | 4 | Buzzer | ✓ |
| Number of storage drives supported * | 4 | Multilingual support | ✓ |
| Installed storage drive type * | HDD | Snapshot | ✓ |
| Supported storage drive types * | HDD & SSD | Web-based management | ✓ |
| Bad block scan | ✓ | Security algorithms | 256-bit AES, FIPS 140-2, HTTPS, SSH, SSL/TLS |
| Processor | | Access Control List (ACL) | ✓ |
| Processor manufacturer * | Annapurna Labs | Reset button | ✓ |
| Processor family * | Annapurna Labs | On/off switch | ✓ |
| Processor model * | Alpine AL-324 | Built-in FTP server | ✓ |
| Processor frequency * | 1.7 GHz | Browser supported | Mozilla Firefox, Microsoft Internet Explorer 10+, Apple Safari 7+, Google Chrome |
| Processor cores | 4 | System log | ✓ |
| Memory | | Hot spare | ✓ |
| Internal memory * | 2 GB | S.M.A.R.T. support | ✓ |
| Internal memory type | DDR4 | Share folder | CIFS/SMB |
| Maximum RAM supported | 16 GB | Universal Plug and Play (UPnP) | ✓ |
| Memory slots | 1 | USB copy function | ✓ |
| Memory form factor | UDIMM | Software | |
| Flash memory | 512 MB | Operating system version | 4.4.3 |
| Network | | Windows operating systems supported | Windows 10, Windows 7, Windows 8 |
| Ethernet LAN * | ✓ | Linux operating systems supported | ✓ |
| Ethernet LAN data rates | 100,1000,2500,10000 Mbit/s | 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 10.14 Mojave, Mac OS X 10.15 Catalina |
| Ethernet LAN data rate supported (max) | 10000 Mbit/s | | |
| DHCP client | ✓ | | |
| DHCP server | ✓ | | |
| Jumbo frames support | ✓ | | |
| iSCSI support | ✓ | | |

| Network | | Software | |
|---|----------------------------------|------------------------------------|---|
| Wake-on-LAN ready | ✓ | Server operating systems supported | Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019 |
| Supported network protocols | PPTP, L2TP/IPSec, OpenVPN, QBelt | | |
| Link aggregation | ✓ | | |
| Load balancing system | ✓ | | |
| WLAN adapter supported | ✓ | Power | |
| Ports & interfaces | | Power supply location | Built-in |
| USB port * | ✓ | Power supply unit (PSU) capacity | 250 W |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity | 4 | Number of power supply units | 1 |
| Fiber ports quantity | 2 | AC input voltage | 100 - 240 V |
| Fiber optic connector | SFP+ | Fan voltage | 12 V |
| Ethernet LAN (RJ-45) ports * | 2 | Weight & dimensions | |
| | | Width * | 439 mm |
| | | Depth * | 499 mm |
| | | Height * | 44 mm |
| | | Weight | 6.53 kg |
| | | Packaging content | |
| | | Cables included | AC, LAN (RJ-45) |
| | | Number of screws | 28 |
| | | Operational conditions | |
| | | Operating temperature (T-T) | 0 - 40 °C |
| | | Operating relative humidity (H-H) | 5 - 95% |

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