



## QNAP TS-432PXU-2G NAS Rack (1U) Annapurna Labs Alpine AL-324 2 GB DDR4 4 TB HDD Black

**Brand :** QNAP

**Product code:** TS-432PXU-2G/4TB-GOLD

**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 *     | 4 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                          | ✓                                | <b>Power</b>                       |   |
| 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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