



## QNAP TS-832PXU-RP-4G NAS Rack (2U) Annapurna Labs AL324 4 GB DDR4 112 TB HDD QNAP Turbo System Black



**Brand :** QNAP

**Product code:** TS-832PXU-RP-4G/112TB-GOLD

**Product name :** TS-832PXU-RP-4G

- 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-832PXU-RP by installing a compatible PCIe card
  - Increase the storage capacity of the TS-832PXU-RP with QNAP TR RAID expansion enclosures or TL JBOD
- 8x 3.5", 4GB DDR4, Alpine AL324, 2.5G RJ-45, 10G SFP+, USB 3.2, 2x 250W PSU, 89x482x534 mm

| Storage                              |                               | Design                         |                                                                                  |
|--------------------------------------|-------------------------------|--------------------------------|----------------------------------------------------------------------------------|
| Supported storage drive interfaces   | Serial ATA II, Serial ATA III | Chassis type *                 | Rack (2U)                                                                        |
| Storage drive sizes supported        | 2.5,3.5"                      | Cooling type *                 | Active                                                                           |
| RAID support *                       | ✓                             | Product colour                 | Black                                                                            |
| RAID levels                          | 0, 1, 5, 6, 10, JBOD          | Fan diameter                   | 2 mm                                                                             |
| Online RAID migration                | ✓                             | Fan diameter 2                 | 7 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 *   | 112 TB                        | Backup features                | Cloud, iSCSI LUN                                                                 |
| Number of storage drives installed * | 8                             | Buzzer                         | ✓                                                                                |
| Number of storage drives supported * | 8                             | 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 *                    | AL324                         | 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 *                    | 4 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 installed *   | QNAP Turbo System                                                                |
| Network                              |                               | Operating system version       | 4.4.3                                                                            |
| Ethernet LAN *                       | ✓                             |                                |                                                                                  |
| Ethernet LAN data rates              | 100,1000,2500,10000 Mbit/s    |                                |                                                                                  |

| Network                                         |                                  | Software                            |                                                                                                                                                       |
|-------------------------------------------------|----------------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ethernet LAN data rate supported (max)          | 10000 Mbit/s                     | Windows operating systems supported | Windows 10, Windows 7, Windows 8                                                                                                                      |
| DHCP client                                     | ✓                                | Linux operating systems supported   | ✓                                                                                                                                                     |
| DHCP server                                     | ✓                                | 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 |
| Jumbo frames support                            | ✓                                |                                     |                                                                                                                                                       |
| iSCSI support                                   | ✓                                |                                     |                                                                                                                                                       |
| 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        | 2                                                                                                                                                     |
| 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 *                             | 482 mm                                                                                                                                                |
|                                                 |                                  | Depth *                             | 534 mm                                                                                                                                                |
|                                                 |                                  | Height *                            | 89 mm                                                                                                                                                 |
|                                                 |                                  | Packaging content                   |                                                                                                                                                       |
|                                                 |                                  | Cables included                     | AC, LAN (RJ-45)                                                                                                                                       |
|                                                 |                                  | Number of screws                    | 56                                                                                                                                                    |
|                                                 |                                  | Operational conditions              |                                                                                                                                                       |
|                                                 |                                  | Operating temperature (T-T)         | 0 - 40 °C                                                                                                                                             |
|                                                 |                                  | Operating relative humidity (H-H)   | 5 - 95%                                                                                                                                               |

## Catalog Object Cloud



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