



# QNAP TS-832PXU-4G NAS Rack (2U) Ethernet LAN Aluminium, Black AL324



Brand : QNAP

Product code: TS-832PXU-4G/96TB-REDPLUS

Product name : TS-832PXU-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
- AnnapurnaLabs Alpine AL324, ARM Cortex-A57, 2U, 4 GB UDIMM DDR4, 2x 10GbE SFP+, 4x USB 3.2 Gen 1

| Storage                              |                                      | Design                               |  |
|--------------------------------------|--------------------------------------|--------------------------------------|--|
| Storage drive capacity *             | 12 TB                                | Fan diameter                         | 7 cm   |
| Supported storage drive interfaces   | Serial ATA II, Serial ATA III        | LED indicators                       | HDD, LAN, Status   |
| Storage drive sizes supported        | 2.5,3.5"                             | Performance                          |  |
| RAID support *                       | ✓                                    | Type *                               | NAS  |
| RAID levels                          | 0, 1, 5, 6, 10, 50, 60, JBOD         | Device class *                       | Small & Medium Business  |
| Online RAID migration                | ✓                                    | Backup function *                    | ✓  |
| Online RAID expansion                | ✓                                    | Backup features                      | Cloud, iSCSI LUN   |
| RAID rebuild                         | ✓                                    | Buzzer                               | ✓  |
| Hot-swap drive bays                  | ✓                                    | Noise level                          | 24.9 dB  |
| Supported file systems               | FAT32, HFS+, HPFS, exFAT, ext3, ext4 | Third-party support                  | ✓  |
| Storage drives installed *           | ✓                                    | Snapshot                             | ✓  |
| Total installed storage capacity *   | 96 TB                                | Management protocols                 | SNMP   |
| Number of storage drives installed * | 8                                    | Web-based management                 | ✓  |
| Number of storage drives supported * | 8                                    | Share folder access right management | ✓  |
| Installed storage drive type *       | HDD                                  | Security algorithms                  | 256-bit AES, FIPS 140-2, HTTPS, SNMP, SSH  |
| Supported storage drive types *      | HDD & SSD                            | Access Control List (ACL)            | ✓  |
| Bad block scan                       | ✓                                    | Reset button                         | ✓  |
| Processor                            |                                      | On/off switch                        | ✓  |
| Processor manufacturer *             | Annapurna Labs                       | Built-in BitTorrent client           | ✓  |
| Processor family *                   | Annapurna Labs                       | Built-in UPnP AV media server        | ✓  |
| Processor model *                    | AL324                                | Built-in FTP server                  | ✓  |
| Processor frequency *                | 1.7 GHz                              | Browser supported                    | Apple Safari 7+, Google Chrome, Microsoft Internet Explorer 10+, Mozilla Firefox |
| Processor cores                      | 4                                    | System log                           | ✓  |
| Memory                               |                                      | Hot spare                            | ✓  |
| Internal memory type                 | DDR4                                 | Disk scan                            | ✓  |
| Maximum RAM supported                | 16 GB                                | S.M.A.R.T. support                   | ✓  |
| Memory slots                         | 1                                    | Universal Plug and Play (UPnP)       | ✓  |
| Internal memory *                    | 4 GB                                 | Software                             |  |
| Memory form factor                   | UDIMM                                | Operating system installed *         | QNAP Turbo System  |
| Flash memory                         | 512 MB                               | Operating system version             | 4.4.3  |
| Network                              |                                      |                                      |  |
| Ethernet LAN *                       | ✓                                    |                                      |  |
| Ethernet LAN data rates              | 100,1000,2500,10000 Mbit/s           |                                      |  |
| DHCP client                          | ✓                                    |                                      |  |

| Network   |                  | Software                            |  |
|---|------------------|-------------------------------------|--|
| DHCP server                                     | ✓                |                                     | Windows 10, Windows 10 Education, Windows 10 Education x64, Windows 10 Enterprise, Windows 10 Enterprise x64, Windows 10 Home, Windows 10 Home x64, Windows 10 Pro, Windows 10 Pro x64, Windows 10 x64, Windows 7, Windows 7 Enterprise, Windows 7 Enterprise x64, Windows 7 Home Basic, Windows 7 Home Basic x64, Windows 7 Home Premium, Windows 7 Home Premium x64, Windows 7 Professional, Windows 7 Professional x64, Windows 7 Starter, Windows 7 Starter x64, Windows 7 Ultimate, Windows 7 Ultimate x64, Windows 7 x64, Windows 8, Windows 8 Enterprise, Windows 8 Enterprise x64, Windows 8 Pro, Windows 8 Pro x64, Windows 8 x64 |
| Jumbo frames support                            | ✓                |                                     |  |
| iSCSI support                                   | ✓                |                                     |  |
| Wake-on-LAN ready                               | ✓                |                                     |  |
| Link aggregation                                | ✓                |                                     |  |
| Load balancing system                           | ✓                |                                     |  |
| Dynamic DNS (DDNS)                              | ✓                |                                     |  |
| WLAN adapter supported                          | ✓                |                                     |  |
| <b>Ports &amp; interfaces</b>                   |                  | Windows operating systems supported |  |
| USB port *                                      | ✓                |                                     |  |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity | 4                |                                     |  |
| Fiber ports quantity                            | 2                |                                     |  |
| Fiber optic connector                           | SFP+             |                                     |  |
| Ethernet LAN (RJ-45) ports *                    | 2                |                                     |  |
| <b>Design</b>                                   |                  | Linux operating systems supported   | CentOS 7.0, Solaris 10 U4, Solaris 10 U5, Ubuntu 14.04, openSUSE 12.1, openSUSE 12.2   |
| Chassis type *                                  | Rack (2U)        | Mac operating systems supported     | Mac OS X 10.1 Puma, 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 10.15.3 Catalina   |
| Cooling type *                                  | Active           | Server operating systems supported  | Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019  |
| Product colour                                  | Aluminium, Black |                                     |  |
| Number of fans                                  | 2 fan(s)         |                                     |  |
|   |                  | <b>Power</b>                        |  |
|   |                  | Power supply location               | Built-in   |
|   |                  | Power supply unit (PSU) capacity    | 250 W  |
|   |                  | Number of power supply units        | 1  |
|   |                  | Power consumption (typical)         | 56.412 W   |
|   |                  | AC input voltage                    | 100 - 240 V  |
|   |                  | Fan voltage                         | 12 V   |
|   |                  | <b>Weight &amp; dimensions</b>      |  |
|   |                  | Width *                             | 482 mm   |
|   |                  | Depth *                             | 534 mm   |
|   |                  | Height *                            | 89 mm  |
|   |                  | <b>Packaging content</b>            |  |
|   |                  | Cables included                     | AC, LAN (RJ-45)  |
|   |                  | Number of screws                    | 56   |
|   |                  | <b>Operational conditions</b>       |  |
|   |                  | Operating temperature (T-T)         | 0 - 40 °C  |
|   |                  | Operating relative humidity (H-H)   | 5 - 95%  |
|   |                  | Storage temperature (T-T)           | -20 - 70 °C  |

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