

# QNAP TS-832PXU NAS Stovas (2U) Annapurna Labs AL324 4 GB DDR4 0 TB QNAP Turbo System Aliuminis, Juoda

Gamintojas: **QNAP** · Modelis: **TS-832PXU-4G** · EAN: **4713213518151** · Prekės kodas: **967945**



## 1 489,90 €

Kaina su PVM

Be PVM: **1 231,32 €**

**Sandėlyje**



**Prekė internetu**

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## Pagrindinės savybės

- ✓ Smulkusis ir vidutinis verslas NAS Stovas (2U) Aliuminis, Juoda
- ✓ QNAP Turbo System 5,0,0
- ✓ Palaikomų saugojimo tvarkyklių skaičius: 8 HDD & SSD „Serial ATA II“, „Serial ATA III“
- ✓ Annapurna Labs AL324 1,7 GHz
- ✓ 4 DDR4 Atminties lizdai: 1 UDIMM
- ✓ Ethernet LAN jungtis DHCP serveris Jumbo Frames palaikymas iSCSI palaikymas Wake-on-LAN pasirengimas
- ✓ Aušinimo tipas: Aktyvus
- ✓ Atsarginio atkūrimo funkcijos: „Cloud“, iSCSI LUN 250 W



## Aprašymas

With 10GbE SFP+ and 2.5GbE network ports, the TS-832PXU delivers high network bandwidth to streamline team collaboration and file access. A PCIe Gen 2 x2 slot allows for installing a QNAP expansion card to add network connectivity, SSD caching capabilities, or wireless connectivity.

## Higher performance x faster throughput

The TS-832PXU is powered by an Annapurna Labs Alpine AL-324 ARM® Cortex®-A57 quad-core 1.7 GHz processor with 4GB DDR4 RAM (expandable to 16GB) and SATA 6Gb/s drives to deliver higher performance. With two 10GbE SFP+ and two 2.5GbE network ports, the TS-832PXU provides incredible bandwidth to fulfil high-speed file access, backup/restoration and media transfer, while also allowing the flexible allocation of network resources for individual applications and services.

## Upgrade your network to increase team efficiency

QNAP provides various high-speed network solutions at attainable price points. The QSW network switches provide managed and unmanaged 10GbE and 2.5GbE options for building high-speed networks. QNAP also offers 10GbE / 5GbE / 2.5GbE network expansion cards and a USB to 5GbE adapter for Windows® / Linux® devices, allowing all of your workstations to take advantage of high-speed networks.

## Boost NAS performance with SSDs

As SSDs become more affordable, using SSDs on NAS can improve performance without requiring a heavy investment. The TS-832PXU supports SSD cache technology, Qtier™ auto-tiering storage, and SSD over-provisioning, helping you to balance storage performance, storage allocation, and IT expenses.

## Balance performance and capacity

Boost NAS performance by enabling SSD caching. Coupled with Qtier™ auto-tiering technology, you can find the perfect storage configuration between high-performance SSD and high-capacity HDD while balancing performance and cost.

## Extend SSD lifespan

SSD Extra Over-provisioning allows for adding 1~60% reserved space to avoid performance degradation, helping to increase system stability and extend SSD lifespan.

## Multi-point file backup, access and sync

HBS (Hybrid Backup Sync) consolidates data backup, recovery, and data synchronization. With high-speed 10GbE connectivity, you can easily back up or sync data to another QNAP NAS, remote server or cloud storage to build a reliable disaster recovery solution. Qsync turns the TS-832PXU into a secure, high-capacity data center for file synchronization. Any file uploaded to the TS-832PXU will be made available for all linked devices, such as computers, laptops, and mobile devices. You can also sync shared folders or create team folders to enhance team collaboration.

## Easily find and automatically organize files and photos

The TS-832PXU provides greater convenience in file management. You can quickly find files using Qsirch, organize photos using QuMagie and auto-archive them with Qfiling.

## File search

Qsirch quickly finds images, music, videos, documents, emails, and other files by using keywords, colors and different filters.

## Photo management

QuMagie identifies people and objects in photos and supports automated photo categorization, allowing you to easily find similar photos.

## Auto archiving

Qfiling automates file organization or recycling based on self-configured rules, greatly improving work efficiency.

## Secure Google™ Workspace and Microsoft 365® backup

The convenience of Software as a Service (SaaS) solutions such as Google™ Workspace and Microsoft 365® has led to its adoption by many businesses and organizations. However, many users fail to protect this cloud data against data loss, data recovery limitations, and human error. The TS-832PXU includes QNAP Boxafe, allowing you to back up files, emails, calendars and contacts from Google™ Workspace and Microsoft 365® to provide an extra layer of data protection for business cloud data.

## Low Latency Access to Cloud Data with Cloud Storage Gateways

By deploying cloud storage gateways and enabling local caching on the TS-832PXU, you can seamlessly use the cloud for storage, backup, and data recovery with low-latency access, providing an innovative hybrid cloud experience.

## HybridMount File-Based Cloud Gateway

Flexibly expand your storage capacity by connecting to cloud storage. You can leverage QTS apps to manage and edit your cloud files or monitor multimedia files. HybridMount is ideal for file server online collaboration and file-level data analysis.

## VJBOD Cloud Block-Based Cloud Gateway

VJBOD Cloud supports backing up NAS data to block-based cloud storage. Block-based data transmission uploads random data and large files to the cloud in blocks, and only block-based volume or LUN changes are transmitted. This is ideal for backing up LUN, databases, and confidential files.

## Flexibly expand storage capacity whenever needed

The storage capacity of the TS-832PXU can be easily expanded to meet growing data demands. Simply connect a QNAP TR RAID expansion enclosure or TL JBOD to expand storage space on demand. With QNAP's Virtual JBOD (VJBOD) technology, the unused space of the TS-832PXU can also be used to expand the storage space of other QNAP NAS.

## PCIe expandability for greater application potential

The TS-832PXU includes a PCIe Gen 2 x2 slot, enabling you to expand its application potential by installing a compatible PCIe card.

## Network Adapter

Add additional 2.5GbE/ 5GbE/ 10GbE network ports to boost bandwidth-demanding tasks, such as massive data transmission and fast backup/restoration.

## QM2 Card

Add M.2 SSD caching or 10GbE (10GBASE-T) connectivity to the NAS for optimized performance and bandwidth.

## USB Card

Add QNAP USB 3.2 Gen 2 expansion card to benefit from 10Gbps data transfer performance with newer, faster USB devices for transferring large media files.

## Techninė specifikacija

| Laikmenos                               |                                   |
|-----------------------------------------|-----------------------------------|
| Įrengti saugojimo kaupikliai            | Ne                                |
| Bendras įrengtos saugyklos pajėgumas    | 0 TB                              |
| Įrengtų saugojimo tvarkyklių skaičius   | 0                                 |
| Palaikomų saugojimo tvarkyklių skaičius | 8                                 |
| Įdiegtas kaupiklio tipas                | Ne                                |
| Palaikomi saugojimo kaupiklių tipai     | HDD & SSD                         |
| Saugojimo kaupiklio talpa               | 0 GB                              |
| Saugojimo kaupiklio sąsaja              | „Serial ATA III“                  |
| RAID palaikymas                         | Taip                              |
| Palaikomi saugojimo kaupiklių sąsajos   | „Serial ATA II“, „Serial ATA III“ |
| Palaikomi saugojimo kaupiklio dydžiai   | 2.5,3.5"                          |
| RAID lygiai                             | 0, 1, 5, 6, 10, 50, 60, JBOD      |
| Tisioginė RAID migracija                | Taip                              |
| Tiesioginė RAID plėtra                  | Taip                              |
| RAID atkūrimas                          | Taip                              |
| Neišjungus pakeičiami diskų skyreliai   | Taip                              |
| Palikomų failų sistemos                 | FAT32, HFS+, NTFS, ext3, ext4     |
| Blogo bloko nuskaitymas                 | Taip                              |
| Procesorius                             |                                   |
| Procesoriaus šeima                      | Annapurna Labs                    |
| Procesoriaus gamintojas                 | Annapurna Labs                    |
| Procesoriaus modelis                    | AL324                             |
| Procesoriaus dažnis                     | 1,7 GHz                           |
| Procesoriaus branduoliai                | 4                                 |
| Atmintis                                |                                   |
| Vidinė atmintis                         | 4 GB                              |
| Vidinės atminties tipas                 | DDR4                              |
| Maksimali palaikoma RAM atmintis        | 16 GB                             |
| Atminties lizdai                        | 1                                 |
| Atminties formos koeficientas           | UDIMM                             |
| Flash atmintis                          | 512 MB                            |
| Tinklas                                 |                                   |

|                                      |                                  |
|--------------------------------------|----------------------------------|
| Ethernet LAN jungtis                 | Taip                             |
| Eterneto LAN duomenų perdavimo norma | 100,1000,2500,10000 Mbit/ai      |
| DHCP klientas                        | Taip                             |
| DHCP serveris                        | Taip                             |
| Jumbo Frames palaikymas              | Taip                             |
| iSCSI palaikymas                     | Taip                             |
| Wake-on-LAN pasirengimas             | Taip                             |
| Palaikomi tinklo protokolai          | PPTP, L2TP/IPSec, OpenVPN, QBelt |
| Nuorodų agregacija                   | Taip                             |
| Apkrovos balansavimo sistema         | Taip                             |
| Dinaminis DNS (DDNS)                 | Taip                             |
| Palaikomas WLAN tinklo adapteris     | Taip                             |

#### Ryšys

|                                                |      |
|------------------------------------------------|------|
| Ethernet LAN (RJ-45) portų kiekis              | 2    |
| USB prievadas                                  | Taip |
| USB 3.2 (3.1 1 kart.) A tipo prievadų skaičius | 4    |
| Fibre kanalo portai                            | 2    |
| Šviesolaidžio optinė jungtis                   | SFP+ |

#### Konstrukcija

|                          |                            |
|--------------------------|----------------------------|
| Bloko tipas              | Stovas (2U)                |
| Aušinimo tipas           | Aktyvus                    |
| Produkto spalva          | Aliuminis, Juoda           |
| Ventiliatorių skaičius   | 2 ventiliatorius(iai / ių) |
| Ventiliatoriaus skersmuo | 7 cm                       |
| LED indikatoriai         | HDD, LAN, Būsena           |

#### Veikimo charakteristikos

|                               |                                |
|-------------------------------|--------------------------------|
| Tipas                         | NAS                            |
| Įrenginio klasė               | Smulkusis ir vidutinis verslas |
| Atsarginio atkūrimo funkcija  | Taip                           |
| Atsarginio atkūrimo funkcijos | „Cloud“, iSCSI LUN             |
| Zumeris                       | Taip                           |
| Kalbų palaikymas              | Taip                           |
| Garso lygis                   | 24,9 dB                        |
| Palaikoma trečioji šalis      | Taip                           |
| Momentinė nuotrauka           | Taip                           |

|                                               |                                                                                  |
|-----------------------------------------------|----------------------------------------------------------------------------------|
| Web pagrįstas valdymas                        | Taip                                                                             |
| Apsaugos algoritmų palaikymas                 | 256-bit AES, FIPS 140-2, HTTPS, SNMP, SSH                                        |
| Prieigos kontrolės sąrašas (ACL)              | Taip                                                                             |
| Atstatymo mygtukas                            | Taip                                                                             |
| On/off mygtukas                               | Taip                                                                             |
| Įmontuotas FTP serveris                       | Taip                                                                             |
| Palaikoma naršyklė                            | Mozilla Firefox, Microsoft Internet Explorer 10+, Apple Safari 7+, Google Chrome |
| Sistemos žurnalas                             | Taip                                                                             |
| Greito automatinio rezervo įjungimo įrenginys | Taip                                                                             |
| Diskų nuskaitymas                             | Taip                                                                             |
| S.M.A.R.T. palaikymas                         | Taip                                                                             |
| Universali „Plug and Play“ jungtis (UPnP)     | Taip                                                                             |
| USB kopijavimo funkcija                       | Taip                                                                             |

#### Programinė įranga

|                                          |                                                                                                                                                       |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Numatyta operacinė sistema               | QNAP Turbo System                                                                                                                                     |
| Operacinės sistemos versija              | 5,0,0                                                                                                                                                 |
| Palaikomos „Windows“ operacinės sistemos | Windows 10, Windows 7, Windows 8                                                                                                                      |
| Palaikoma operacinė sistema „Linux“      | CentOS 7.0, Solaris 10 U4, Solaris 10 U5, Ubuntu 14.04, openSUSE 12.1, openSUSE 12.2                                                                  |
| Palaikomos MAC operacinės sistemos       | 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 |
| Palaikomos serverio valdymo sistemos     | Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019                                         |

#### Energijos valdymas

|                                          |             |
|------------------------------------------|-------------|
| Maitinimo šaltinio vieta                 | Integruota  |
| Maitinimo šaltinio įrenginio (PSU) talpa | 250 W       |
| Maitinimo šaltinių skaičius              | 1           |
| Energijos suvartojimas                   | 56,412 W    |
| AC įėjimo įtampa                         | 100 - 240 V |
| Ventiliatoriaus įtampa                   | 12 V        |

#### Svoris ir matmenys

|                 |         |
|-----------------|---------|
| Plotis          | 482 mm  |
| Ilgis           | 534 mm  |
| Aukštis         | 89 mm   |
| Svoris          | 9,45 kg |
| Pakuotės plotis | 560 mm  |

|                                       |                 |
|---------------------------------------|-----------------|
| Pakuotės gylis                        | 720 mm          |
| Pakuotės aukštis                      | 270 mm          |
| Paketo svoris                         | 12,7 kg         |
| <b>Pakuotės turinys</b>               |                 |
| Pridėti kabeliai                      | AC, LAN (RJ-45) |
| Varžtų skaičius                       | 56              |
| Pakuotės tipas                        | „Box“           |
| <b>Aplinkos sąlygos</b>               |                 |
| Darbo temperatūros diapazonas (TT)    | 0 - 40 °C       |
| Darbo santykinės drėgmės diapazonas   | 5 - 95%         |
| Sandėliavimo temperatūros norma (T-T) | -20 - 70 °C     |
| <b>Logistikos duomenys</b>            |                 |
| Darniosios sistemos (DS) kodas        | 84714100        |
| <b>Kitos savybės</b>                  |                 |
| Garantinis laikotarpis                | 3 metai         |
| <b>Matmenys ir svoris</b>             |                 |
| Svoris                                | 12,94kg         |

## Dokumentai ir vaizdo įrašai

- › [Naudojimo instrukcija](#)
- › [Gaminio lankstinukas](#)
- › [Vaizdo įrašas](#) [youtube.com/watch?v=WsZah6KubzA](https://youtube.com/watch?v=WsZah6KubzA)

## Gamintojo ir saugos informacija

### GAMINTOJAS

#### QNAP Systems

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[qnap.com](http://qnap.com)

### ATSAKINGAS ASMUO ES

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### PLATINTOJAS

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