



## **NAS STORAGE RACKST 4BAY 1U RP/NO HDD TS-432PXU-RP- 2G QNAP**



Model: TS-432PXU-RP-2G

Manufacturer: QNAP

EAN: 4713213518168

Product Code: 40437

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## **R27,058**

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### **TS-432PXU-RP**

Quad-core 1.7GHz rackmount NAS with 10GbE SFP+ and 2.5GbE ports and redundant power supply for SMB IT environments

With 10GbE SFP+ and 2.5GbE network ports, the TS-432PXU-RP 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-432PXU-RP is powered by an Annapurna Labs Alpine AL-324 ARM® Cortex®-A57 quad-core 1.7 GHz processor with 2GB DDR4 RAM (expandable to 16GB) and SATA 6Gb/s drives to deliver

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higher performance. With two 10GbE SFP+ and two 2.5GbE network ports, the TS-432PXU-RP 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-432PXU-RP 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-432PXU-RP into a secure, high-capacity data center for file synchronization. Any file uploaded to the TS-432PXU-RP will be made available for all linked devices, such as computers, laptops, and mobile devices. You can

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also sync shared folders or create team folders to enhance team collaboration.

### **Easily find and automatically organize files and photos**

The TS-432PXU-RP 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-432PXU-RP 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-432PXU-RP, 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

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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-432PXU-RP 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-432PXU-RP can also be used to expand the storage space of other QNAP NAS.

- 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™ Workspace 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-RP by installing a compatible PCIe card
- Increase the storage capacity of the TS-432PXU-RP with QNAP TR RAID expansion enclosures or TL JBOD

Summary: QNAP TS-432PXU-RP. Type: NAS. Chassis type: Rack (1U). Device class: Small & Medium Business. Processor family: Annapurna Labs, Processor model: Alpine AL-324, Processor frequency: 1.7 GHz. Internal memory: 2 GB, Internal memory type: DDR4. Total installed storage capacity: 0 TB | Vendor Homepage: <https://www.qnap.com/en/product/ts-432pxu-rp> | Bad block scan: Yes | Hot-swap drive bays: Yes | Installed storage drive type: No | Number of storage drives supported: 4 | Online RAID expansion: Yes | Online RAID migration: Yes | RAID levels: 0/1/10/5/6/JBOD | RAID rebuild: Yes | RAID support: Yes | Storage drive capacity: 0 | Storage drive sizes supported: 2.5/3.5 | Storage drives installed: No | Supported file systems: ext3/ext4/FAT32/HFS+/NTFS | Supported

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storage drive interfaces: Serial ATA II, Serial ATA III | Supported storage drive types: HDD & SSD | Total installed storage capacity: 0 | Processor cores: 4 | Processor family: Annapurna Labs | Processor frequency: 1.7 | Processor manufacturer: Annapurna Labs | Processor model: Alpine AL-324 | Flash memory: 512 | Internal memory: 2 | Internal memory type: DDR4 | Maximum RAM supported: 16 | Memory form factor: UDIMM | Memory slots: 1 | DHCP client: Yes | DHCP server: Yes | Ethernet LAN: Yes | Ethernet LAN data rate supported (max): 10000 | Ethernet LAN data rates: 100/1000/10000/2500 | iSCSI support: Yes | Jumbo frames support: Yes | Link aggregation: Yes | Load balancing system: Yes | Supported network protocols: PPTP, L2TP/IPSec, OpenVPN, QBelt | Wake-on-LAN ready: Yes | WLAN adapter supported: Yes | Ethernet LAN (RJ-45) ports: 2 | Fiber optic connector: SFP+ | Fiber ports quantity: 2 | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity: 4 | USB port: Yes | Chassis type: Rack (1U) | Cooling type: Active | Fan diameter: 40 | LED indicators: HDD/LAN/Status | Number of fans: 2 | Product colour: Black | Access Control List (ACL): Yes | Backup features: Cloud/iSCSI LUN | Backup function: Yes | Browser supported: Mozilla Firefox, Microsoft Internet Explorer 10+, Apple Safari 7+, Google Chrome | Built-in FTP server: Yes | Buzzer: Yes | Device class: Small & Medium Business | Hot spare: Yes | Multilingual support: Yes | On/off switch: Yes | Reset button: Yes | S.M.A.R.T. support: Yes | Security algorithms: 256-bit AES/FIPS 140-2/HTTPS/SSH/SSL/TLS | Share folder: CIFS/SMB | Snapshot: Yes | System log: Yes | Type: NAS | Universal Plug and Play (UPnP): Yes | USB copy function: Yes | Web-based management: Yes | Linux operating systems supported: Yes | 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 | Operating system version: 5.0.0 | Server operating systems supported: Windows Server 2008 R2/Windows Server 2012/Windows Server 2012 R2/Windows Server 2016/Windows Server 2019 | Windows operating systems supported: Windows 10/Windows 7/Windows 8 | AC input voltage: 100 - 240 | Fan voltage: 12 | Number of power supply units: 2 | Power consumption (typical): 53.343 | Power supply location: Built-in | Power supply unit (PSU) capacity: 250 | Depth: 499 | Height: 44 | Package depth: 665 | Package height: 175 | Package weight: 11000 | Package width: 625 | Weight: 8120 | Width: 439 | Cables included: AC/LAN (RJ-45) | Number of screws: 28 | Package type: Box | Operating relative humidity (H-H): 5 - 95 | Operating temperature (T-T): 0 - 40 | Storage temperature (T-T): -20 - 70 | Harmonized System (HS) code: 84714100 | Warranty period: 3 | Model: QNAP TS-432PXU-RP-2G | Model name: TS-432PXU-RP | Units per Shipping Box: 1 | Unit Calculated Volume: 0.07062 | Unit Calculated Weight: 11.1

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