

QNAP TS-1273AU-RP-8G NAS/storage server Rack (2U) Ryzen Embedded V1500B 8 GB DDR4 0 TB QNAP QTS Aluminium, Black

Model: TS-1273AU-RP-8G

Manufacturer: QNAP

Product Code: 14001

R65,590 ~~R66,285~~

TS-1273AU-RP

High-performance dual-2.5GbE NAS Powered by a Quad-core AMD Ryzen™ processor, supporting 10GbE or M.2 SSD caching PCIe expandability for virtual applications

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(Supports QTS or QuTS hero system)

With its powerful AMD Ryzen™ V1000 series V1500B Quad-core processor, the TS-1273AU-RP is capable of boosting virtual machine performance with up to 4 cores/8 threads at 2.2GHz. The TS-1273AU-RP includes two 2.5GbE ports and two PCIe Gen 3 slots, providing you with fast network connectivity and the ability to add extra functionality and additional application potential. The TS-1273AU-RP also features a redundant power supply to ensure maximum system uptime.

Absolute performance with AMD Ryzen™ and up to 64GB RAM

Powered by a 4-core/8-thread AMD Ryzen™ V1500B 2.2GHz processor with AES-NI encryption acceleration and up to 64GB DDR4 RAM, the rackmount TS-1273AU-RP delivers aggressive yet power-smart performance to drive resource-demanding business applications such as VDI, R&D, private cloud, and server virtualization.

Block-based iSCSI LUN: Ideal choice for virtualization storage

The TS-1273AU-RP supports block-based iSCSI LUN and is compatible for VMware®, Citrix®, Microsoft® Hyper-V®, and Windows Server® 2019 virtualization environments to provide a high-performance and affordable storage solution. The TS-1273AU-RP also supports VMware VAAI and Microsoft ODX to increase performance by offloading server loading for ESXi server and Hyper-V respectively, and supporting QNAP vSphere Client plug-in with enhanced operational efficiency and management in virtualization applications.

Optimized performance for VMware Virtualization with iSER

The iSCSI Extensions for RDMA (iSER) protocol boosts the data transfer performance of VMware® ESXi storage and reduces the CPU load of the ESXi server. iSER support can be added to the TS-1273AU-RP by installing a QNAP QXG-10G2SF-CX4 10GbE PCIe card, which uses the NVIDIA® Mellanox ConnectX-4 controller. iSER can provide a significant increase in performance, providing an essential tool to optimize demanding virtualization applications.

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All-in-one server to host virtual machines and containers

Regardless of your virtualization needs, you can count on Virtualization Station and Container Station for complete virtualization support. Use the Network & Virtual Switch app to allocate adequate physical network resources to virtual machines, containers, and the TS-1273AU-RP to simplify network deployment.

Upgrade to 2.5GbE networking

The TS-1273AU-RP comes with two 2.5GbE RJ45 LAN ports that allow you to use existing CAT5e cables to upgrade network speeds from 1 Gigabit to 2.5 Gigabit. 5GbE speeds can also be attained by using Port Trunking. To upgrade your laptops and desktops to take advantage of high-speed networks, QNAP offer various adapters and peripherals, including a USB 3.2 Gen 1 to 5GbE adapter (Model name QNA-UC5G1T) and 5GbE PCIe expansion card (Model name QXG-5G1T-111C).

Transform your network with a wallet-friendly 2.5GbE switch

Upgrading your network shouldn’t break the bank, and 2.5GbE connectivity provides immediately noticeable improvements compared to standard 1GbE. The QSW-1105-5T is an unmanaged switch with five 2.5GbE ports (backwards compatible with 1G/100M) and supports CAT5e cables to connect multiple computers and NAS. The QSW-1105-5T is energy-saving, low-noise, plug-and-use, and supports loop detection and blocking to provide a simple and effective high-speed network environment.

Abundant I/O capabilities with PCIe expansion

The TS-1273AU-RP includes two PCIe Gen 3 x4 slots, allowing you to add additional functionality with compatible PCIe cards. By using a suitable adapter, you can consolidate both slots into a single PCIe Gen 3 x8 slot.

GPU-accelerated computing

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Graphics cards are optimized for graphical calculations and transformations, but require significantly more power than other hardware. The TS-1273AU-RP supports entry-level low-profile NVIDIA® GeForce® graphics cards (such as the GT 1030 or GT 1050) that do not require additional power. Installing a graphics card can boost performance of applications such as video editing, 4K video transcoding, imaging processing in QTS and the performance of virtual machines via GPU passthrough.

Accelerate IOPS performance with SSD Caching

Adding an SSD cache to the TS-1273AU-RP is an easy way to increase IOPS performance and reducing storage volume latency. It is perfect for IOPS-demanding applications (including databases and virtualization) and can significantly improve overall workflows. You can launch, stop, or change settings to meet your needs at any moment without shutting down the system.

Move business data to the cloud flexibly and economically

By deploying cloud storage gateways and enabling local caching on the TS-1273AU-RP, you can seamlessly use the cloud for storage, backup, and data recovery with low-latency access, providing an innovative hybrid cloud experience.

Complete backup planning

The TS-1273AU-RP provides reliable and cost-effective solutions for backup and disaster recovery planning.

High-speed VM Backup Solution

With Hyper Data Protector, the TS-1273AU-RP becomes an agentless backup tool for unlimited VMware® vSphere and Microsoft® Hyper-V VM backup. Hyper Data Protector features incremental backup, global deduplication, backup scheduling and recovery compression that provides you with a cost-effective and reliable disaster recovery plan, ensuring 24/7 operation of your services.

Build an affordable Fibre Channel SAN environment

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Common Fibre Channel Storage Area Networks (SAN) devices are often costly. By installing a QNAP 16Gb Fibre Channel card (QXP-16G2FC 16Gb) in the TS-1273AU-RP, you can set a Fibre Channel Target using the iSCSI & Fibre Channel app. Moreover, the LUN Masking and Port Binding features provide an additional layer of data security.

Switch operating systems for optimal data integrity and reliability

The TS-1273AU-RP also supports QuTS hero - QNAP’s ZFS-based NAS operating system. Providing end-to-end data integrity, data reduction (inline data deduplication, compression and compaction), and much more, QuTS hero uses additional system resources to ensure an optimal environment for protecting business data.

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