



QNAP TS- H1277AXU-RP NAS Rack (2U) AMD Ryzen™ 5 16 GB DDR5 0 TB QuTS hero Black

Model: TS-h1277AXU-RP-R5-16G

Manufacturer: QNAP

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Product Code: 1143053

R104,429

Powered by AMD Ryzen™ 7000 Series processors based on the cutting-edge AMD socket AM5 platform, the ZFS-based TS-h1277AXU-RP storage and backup solution unleashes superb performance and enterprise-level potential. With a revolutionary multi-core processor, DDR5 RAM, M.2 PCIe Gen 5, and redundant power supplies, the TS-h1277AXU-RP delivers excellent performance, ultra-large bandwidth, and trusted reliability for performance-demanding Tier 2 storage, virtualization, 4K video editing, and PB-level storage applications.

Unmatched hardware design and high performance

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The TS-h1277AXU-RP features outstanding hardware and expandable architecture, enabling optimal performance and flexibility to meet diverse application requirements.

M.2 PCIe Gen 5 ultra-fast transfer speed

The TS-h1277AXU-RP comes with two M.2 2280 PCIe Gen 5 slots that allow for installing NVMe SSDs (including WD®, Micron®, Seagate®, Kingston®) to boost NAS performance. PCIe Gen 5 is backwards compatible with PCIe Gen 4 / PCIe Gen 3 for flexible SSD deployment.

Abundant I/O capabilities with PCIe Gen 4 expansion

The TS-h1277AXU-RP has three PCIe Gen 4 slots (twice the bandwidth of PCIe Gen 3) that allow for installing various expansion cards for expanding application potential.

Build an affordable Fibre Channel SAN environment

Common Fibre Channel Storage Area Networks (SAN) devices are often costly. By installing QNAP dual-port 16Gb/32Gb Fibre Channel expansion cards in the TS-h1277AXU-RP, you have more budget-friendly options to add a NAS to a SAN environment. 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.

Comprehensive backup and disaster recovery solution

The TS-h1277AXU-RP supports various apps that cover all your backup needs. Practice safe IT habits by regularly backing up files and device content, allowing them to be easily restored when needed.

Multi-version snapshots mitigate ransomware threats

The TS-h1277AXU-RP supports block-based snapshots that record the state of the system at any time. It helps protect data, which can be restored back to a specific point of time, greatly helping in mitigating the threat of ransomware.

Comprehensive security and privilege settings

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The TS-h1277AXU-RP is loaded with flexible privilege settings and security measures. Besides IP blocking, QNAP Authenticator, HTTPS connection, there are more apps that help ensure optimal NAS protection against threats like malware and hackers.

Simplified privilege settings

The TS-h1277AXU-RP supports comprehensive access right settings for shared folders, Azure Active Directory Domain Services (Azure AD DS), LDAP, and Windows ACL to help IT staff efficiently manage user accounts and access rights for multiple NAS systems.

Superior security with QVPN

A virtual private network (VPN) allows secure access to network resources and services across public networks. QVPN supports creating a VPN client, using the TS-h1277AXU-RP as a VPN server, and WireGuard® VPN service with an easy-to-use interface for setting up a secure connection.

QuWAN SD-WAN

To facilitate digital transformation, multi-site expansion and remote working, QuWAN SD-WAN helps automatically mesh multi-site VPN. It features IPsec encryption and cloud-centric management, allowing secure multi-site network including QNAP NAS and VMware ESXi platforms.

Security Counselor

A security portal for the TS-h1277AXU-RP to check for weaknesses and offer recommendations for enhancing NAS security. It also integrates anti-virus and anti-malware scanning software.

Malware Remover

Regularly scan your TS-h1277AXU-RP using the latest malware definitions. If infected files are detected, they will be immediately removed to ensure NAS data security.

TeamViewer remote access

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TeamViewer app enables remote management and connectivity to multiple NAS devices from Windows® PCs with an unparalleled level of safety, while increasing IT efficiency and end user productivity.

All-in-one virtual machine and container hosting solution

You can count on Virtualization Station and Container Station for comprehensive virtualization support. Coupled with the Network & Virtual Switch app that boosts interoperability between virtual machines, containers, QNAP NAS, and other physical devices on the network, you can flexibly allocate physical and virtual network resources to simplify network deployment.

Virtualization Station

Run multiple Windows®, Linux®, UNIX®, Android™, and QuTScloud virtual machines and access them via a web browser or Virtual Network Computing (VNC). Businesses can run virtualized server applications on a single NAS without the need for additional physical servers.

Container Station

Experience LXC and Docker® lightweight virtualization technologies, download apps from the built-in Docker Hub Registry®, import and export containers, and create abundant microservices.

ZFS-based QuTS hero operating system enhances NAS performance and data integrity

QuTS hero combines the app-based QTS with the 128-bit ZFS file system to provide flexible storage management, comprehensive data protection, and optimized performance to tackle the complexity and performance demands of modern IT. From storage management, virtualization, to collaborative media workflows, QuTS hero streamlines your business-critical tasks.

Flexibly switch to QTS operating system

The TS-h1277AXU-RP also supports QTS - QNAP's standard NAS operating system – that provides great everyday performance, efficient memory utilization, and the advantage of Qtier auto-tiering.

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You can also migrate drives from your current QTS-based NAS to the TS-h1277AXU-RP.

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