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

Gamintojas: **QNAP** · Modelis: **TS-h1277AXU-RP-R5-16G** · EAN: **4711103084663** · Prekės kodas: **896188**

6 400,90 €

Kaina su PVM

Be PVM: **5 290,00 €**

Sandėlyje

Prekė internetu
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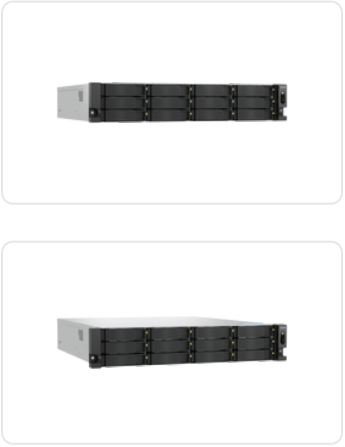
Pagrindinės savybės

- ✓ Supports up to 128GB high-performance and low power consumption DDR5 RAM for heavy workloads (ECC RAM is also supported)
- ✓ Install M.2 NVMe SSDs for SSD caching acceleration. PCIe Gen 5 is backward compatible with PCIe Gen 4 / PCIe Gen 3 for flexible deployment
- ✓ Two 2.5GbE and two 10GbE ports accelerate virtualization, storage centers, and large file transfer
- ✓ Three PCIe Gen 4 slots provide diverse expandability by installing 25GbE cards, SAS storage expansion cards, or Fibre Channel cardsConnect up to eight 24-bay TL-R2400PES-RP JBODs to attain PB-level storage capacity of 204 disks
- ✓ The TS-h1277AXU-RP will be available and supported by QNAP for an extended period, up to 2030



Aprašymas

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

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

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.

Pateikta prekės informacija yra orientacinio pobūdžio. Techninės savybės, nuotraukos, aprašymai ir kaina gali keistis be išankstinio perspėjimo. Gamintojas ir pardavėjas neatsako už galimus duomenų neatitikimus ar tipografines klaidas. Prieš įsigyjant rekomenduojame pasitikrinti aktualią informaciją.

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

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

Techninė specifikacija

Storage	
Storage drives installed	No

Total installed storage capacity	0 TB
Number of storage drives installed	0
Number of storage drives supported	12
Installed storage drive type	No
Supported storage drive types	HDD & SSD
Storage drive capacity	0 GB
RAID support	Yes
Supported storage drive interfaces	Serial ATA II, Serial ATA III
Storage drive sizes supported	2.5,3.5"
RAID levels	0, 1, 5, 6, 10, 50, 60, JBOD
Online RAID migration	Yes
Online RAID expansion	Yes
RAID rebuild	Yes
Hot-swap drive bays	Yes
Supported file systems	FAT32, HFS+, NTFS, ZFS, exFAT, ext3, ext4
Disk roaming	Yes
Processor	
Processor family	AMD Ryzen™ 5
Processor manufacturer	AMD
Processor boost frequency	5.1 GHz
Processor cores	6
Processor threads	12
Bus type	DMI3
CPU configuration (max)	1
Memory	
Internal memory	16 GB
Internal memory type	DDR5
Maximum RAM supported	192 GB
Memory slots	4
Memory form factor	UDIMM
ECC	No
Flash memory	5000 MB
Network	
Ethernet LAN	Yes
Ethernet LAN data rates	10,100,1000,2500,5000,10000 Mbit/s

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Ethernet LAN data rate supported (max)	10000 Mbit/s
Copper ethernet cabling technology	10GBASE-T
DHCP server	Yes
Jumbo frames support	Yes
iSCSI support	Yes
Wake-on-LAN ready	Yes
Supported network protocols	IPv4, IPv6
Dynamic DNS (DDNS)	Yes
Ports & interfaces	
Ethernet LAN (RJ-45) ports	4
USB port	Yes
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
PCI Express x8 (Gen 4.x) slots	1
Design	
Chassis type	Rack (2U)
Cooling type	Active
Product colour	Black
Number of fans	3 fan(s)
Fan diameter	6 cm
LED indicators	HDD, LAN, Power, SSD, Status
Performance	
Type	NAS
Device class	Large Enterprise Business
Backup function	Yes
Backup features	Cloud, iSCSI LUN
Buzzer	Yes
Multilingual support	Yes
Snapshot	Yes
Management protocols	SNMP V2/V3
Web-based management	Yes
Security algorithms	256-bit AES, FIPS 140-2, HTTPS, TLS
Access Control List (ACL)	Yes
Reset button	Yes
On/off switch	Yes
Built-in FTP server	Yes

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Browser supported	Apple Safari, Google Chrome, Microsoft Edge, Mozilla Firefox
System log	Yes
Hot spare	Yes
Disk scan	Yes
S.M.A.R.T. support	Yes
Share folder	CIFS/SMB

Software

Operating system installed	QuTS hero
Operating system version	h5.0.0
Windows operating systems supported	Windows 10, Windows 7, Windows 8
Linux operating systems supported	CentOS 7.0, Ubuntu 14.04
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
Server operating systems supported	Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019

Power

Power supply location	Built-in
Power supply unit (PSU) capacity	500 W
Number of power supply units	2
Redundant power supply (RPS) support	Yes
Power consumption (typical)	367.65 W
AC input voltage	100 - 240 V
AC input frequency	50 - 60 Hz
Fan voltage	12 V

Weight & dimensions

Width	482 mm
Depth	550 mm
Height	88.6 mm
Weight	13 kg
Package width	567 mm
Package depth	721 mm
Package height	273 mm
Package weight	17.6 kg

Packaging content

Cables included	AC, LAN (RJ-45)

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Power cables quantity	2
Number of screws	84
Package type	Box
Processor special features	
Embedded options available	No
Enhanced Intel SpeedStep Technology	Yes
Execute Disable Bit	Yes
Idle States	Yes
Intel 64	Yes
Intel Enhanced Halt State	Yes
Intel Secure Key Technology version	1
Intel Trusted Execution Technology	Yes
Intel TSX-NI	Yes
Intel TSX-NI version	1
Intel Virtualization Technology (VT-x)	Yes
Intel Virtualization Technology for Directed I/O (VT-d)	Yes
Intel VT-x with Extended Page Tables (EPT)	Yes
Operational conditions	
Operating temperature (T-T)	0 - 40 °C
Operating relative humidity (H-H)	5 - 95%
Storage temperature (T-T)	-20 - 70 °C
Storage relative humidity (H-H)	5 - 95%
Logistics data	
Harmonized System (HS) code	84714100
Other features	
Warranty period	5 year(s)
Matmenys ir svoris	
Svoris	17,58kg

Dokumentai ir vaizdo įrašai

- Naudojimo instrukcija
- Greitos pradžios vadovas
- Gaminio lankstinukas
- Vaizdo įrašas youtube.com/watch?v=UqwDxjwtI9I

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