



QNAP TS-H1277AXU-RP NAS Rack (2U) Ethernet LAN Black E-2136

Brand : QNAP

Product code: TS-H1277AXU-RP-R7-32G



Product name : TS-H1277AXU-RP

AMD Ryzen™ 7000 Series processors, DDR5, and M.2 PCIe Gen 5

QNAP TS-H1277AXU-RP NAS Rack (2U) Ethernet LAN Black E-2136:

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.



Storage		Performance	
Storage drive capacity *	14 TB	Device class *	Large Enterprise Business
Storage drive interface *	Serial ATA II, Serial ATA III	Backup function *	✓
Supported storage drive interfaces	Serial ATA II, Serial ATA III	Backup features	Cloud, iSCSI LUN
Storage drive sizes supported	2.5,3.5"	Buzzer	✓
RAID support *	✓	Multilingual support	✓
RAID levels	0, 1, 5, 6, 10, 50, 60, JBOD	Snapshot	✓
Online RAID migration	✓	Web-based management	✓
Online RAID expansion	✓	Security algorithms	256-bit AES, FIPS 140-2, TLS
RAID rebuild	✓	Access Control List (ACL)	✓
Hot-swap drive bays	✓	Reset button	✓
Supported file systems	FAT32, HFS+, NTFS, ZFS, exFAT, ext3, ext4	On/off switch	✓
Storage drives installed *	✓	Built-in FTP server	✓
Total installed storage capacity *	168 TB	Browser supported	Apple Safari, Google Chrome, Microsoft Edge, Mozilla Firefox
Number of storage drives installed *	12	System log	✓
Number of storage drives supported *	12	Hot spare	✓
Installed storage drive type *	HDD	Disk scan	✓
Supported storage drive types *	HDD & SSD	S.M.A.R.T. support	✓
Disk roaming	✓	Share folder	CIFS/SMB
Processor		Software	
Processor manufacturer *	Intel	Operating system installed *	QuTS hero
Processor family *	Intel Xeon E	Operating system version	h5.0.0
Processor model *	E-2136	Windows operating systems supported	Windows 10, Windows 7, Windows 8
Processor frequency *	3.3 GHz	Linux operating systems supported	✓
Processor boost frequency	4.5 GHz	Mac operating systems supported	✓
Processor cores	6	Server operating systems supported	Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019
Processor threads	12		
Processor cache	12 MB		
Bus type	DMI3		
CPU configuration (max)	1		
Memory		Power	
Internal memory type	DDR4	Power supply location	Built-in
Maximum RAM supported	32 GB	Power supply unit (PSU) capacity	500 W
Memory slots	4	Number of power supply units	2
Internal memory *	32 GB	Redundant power supply (RPS) support	✓
Memory form factor	UDIMM	Power consumption (typical)	105.12 W
ECC	✓	AC input voltage	100 - 240 V
Flash memory	5000 MB	AC input frequency	50 - 60 Hz
		Fan voltage	12 V

Network		Weight & dimensions	
Ethernet LAN *	✓	Width *	482 mm
Ethernet LAN data rates	1000,10000 Mbit/s	Depth *	562 mm
Ethernet LAN data rate supported (max)	10000 Mbit/s	Height *	88.3 mm
DHCP client	✓	Packaging content	
DHCP server	✓	Cables included	AC, LAN (RJ-45)
Jumbo frames support	✓	Power cables quantity	2
iSCSI support	✓	Number of screws	84
Wake-on-LAN ready	✓	Processor special features	
Dynamic DNS (DDNS)	✓	Embedded options available	✗
Ports & interfaces		Enhanced Intel SpeedStep Technology	✓
USB port *	✓	Execute Disable Bit	✓
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	4	Idle States	✓
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2	Intel 64	✓
Fiber ports quantity	2	Intel Enhanced Halt State	✓
Fiber optic connector	SFP+	Intel Secure Key Technology version	1.00
Ethernet LAN (RJ-45) ports *	6	Intel Trusted Execution Technology	✓
PCI Express x4 (Gen 3.x) slots	2	Intel TSX-NI	✓
PCI Express x8 (Gen 3.x) slots	1	Intel TSX-NI version	1.00
Design		Intel Virtualization Technology (VT-x)	✓
Chassis type *	Rack (2U)	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Cooling type *	Active	Intel VT-x with Extended Page Tables (EPT)	✓
Product colour	Black	Operational conditions	
Number of fans	2 fan(s)	Operating temperature (T-T)	0 - 40 °C
Fan diameter	6 cm	Operating relative humidity (H-H)	5 - 95%
LED indicators	HDD, LAN, Status	Storage temperature (T-T)	-20 - 70 °C
Performance		Storage relative humidity (H-H)	5 - 95%
Type *	NAS	Logistics data	
		Harmonized System (HS) code	84714100



4711103084670

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 15-MAR-2024. Prints or copies of Information are only valid on the printed Publication date