



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

Brand : QNAP

Product code: TS-H1277AXU-RP-R5-16G



Product name : TS-H1277AXU-RP

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

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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	16 GB	Power supply unit (PSU) capacity	500 W
Memory slots	4	Number of power supply units	2
Internal memory *	16 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



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