## QNAP

## 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<sup>™</sup> 7000 Series processors, DDR5, and M.2 PCIe Gen 5

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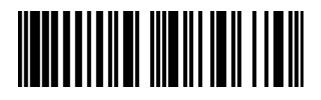
Powered by AMD Ryzen<sup>™</sup> 7000 Series processors based on the cutting-edge AMD socket AM5 platform, the ZFS-based TS-h1277AXU-RP storage and backup solution unleashes superb performance and enterprise-level potential. With a revolutionary multi-core processor, DDR5 RAM, M.2 PCIe Gen 5, and redundant 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 *	1
Supported storage drive interfaces	Serial ATA II, Serial ATA III	Backup features	Cloud, iSCSI LUN
Storage drive sizes supported	2.5,3.5"	Buzzer	1
RAID support *	1	Multilingual support	1
RAID levels	0, 1, 5, 6, 10, 50, 60, JBOD	Snapshot	1
Online RAID migration	1	Web-based management	1
Online RAID expansion	1	Security algorithms	256-bit AES, FIPS 140-2, TLS
RAID rebuild	1	Access Control List (ACL)	1
Hot-swap drive bays	1	Reset button	1
Supported file systems	FAT32, HFS+, NTFS, ZFS, exFAT,	On/off switch	1
	ext3, ext4	Built-in FTP server	1
Storage drives installed *		Browser supported	Apple Safari, Google Chrome,
Total installed storage capacity *	168 TB		Microsoft Edge, Mozilla Firefox
Number of storage drives installed *		System log	
Number of storage drives supported *	12	Hot spare	1
Installed storage drive type *	HDD	Disk scan	
Supported storage drive type *	HDD & SSD	S.M.A.R.T. support	V
Disk roaming	√ ×	Share folder	CIFS/SMB
Processor	•	Software	
		Operating system installed *	QuTS hero
Processor manufacturer *	Intel	Operating system version	h5.0.0
Processor family *	Intel Xeon E	Windows operating systems	Windows 10, Windows 7, Windows
Processor model *	E-2136	supported	
Processor frequency *	3.3 GHz	Linux operating systems supported	1
Processor boost frequency	4.5 GHz	Mac operating systems supported	
Processor cores	6		Windows Server 2008 R2, Window Server 2012, Windows Server 201
Processor threads	12	Server operating systems supported	R2, Windows Server 2016, Window
Processor cache	12 MB		Server 2019
Bus type CPU configuration (max)	DMI3 1	Power	
	1	Power supply location	Built-in
Memory		Power supply unit (PSU) capacity	500 W
Internal memory type	DDR4	Number of power supply units	2
Maximum RAM supported	32 GB	Redundant power supply (RPS)	1
Memory slots	4	support	v
Internal memory *	32 GB	Power consumption (typical)	105.12 W
incernal memory		AC in much contract to a	100 - 240 V
Memory form factor	UDIMM	AC input voltage	100 - 240 V
Memory form factor ECC	UDIMM ✓ 5000 MB	AC input voltage AC input frequency	50 - 60 Hz 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	10000 Mbit/s	Height *	88.3 mm	
(max)		Packaging content		
DHCP client	4	Cables included	AC, LAN (RJ-45)	
DHCP server	4	Power cables quantity	2	
Jumbo frames support	*	Number of screws	84	
iSCSI support	*			
Wake-on-LAN ready Dynamic DNS (DDNS)	*	Processor special features		
	*	Embedded options available	×	
Ports & interfaces		Enhanced Intel SpeedStep Technology	1	
USB port *	✓	Execute Disable Bit	1	
USB 3.2 Gen 2 (3.1 Gen 2) Type-A	4	Idle States		
ports quantity		Intel 64		
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2	Intel Enhanced Halt State		
Fiber ports quantity	2	Intel Secure Key Technology version	1 00	
Fiber optic connector	SFP+	Intel Trusted Execution Technology	✓	
Ethernet LAN (RJ-45) ports *	6	Intel TSX-NI	1	
PCI Express x4 (Gen 3.x) slots	2	Intel TSX-NI version	1.00	
PCI Express x8 (Gen 3.x) slots	1	Intel Virtualization Technology (VT-		
	-	x)	✓	
Design		Intel Virtualization Technology for	1	
Chassis type *	Rack (2U)	Directed I/O (VT-d)	•	
Cooling type *	Active	Intel VT-x with Extended Page Tables (EPT)	1	
Product colour	Black			
Number of fans	2 fan(s)	Operational conditions		
Fan diameter	6 cm	Operating temperature (T-T)	0 - 40 °C	
LED indicators	HDD, LAN, Status	Operating relative humidity (H-H)	5 - 95%	
Performance		Storage temperature (T-T)	-20 - 70 °C	
Type *	NAS	Storage relative humidity (H-H)	5 - 95%	
		Logistics data		
		Harmonized System (HS) code	84714100	



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