



QNAP TS-H1277AXU-RP NAS Rack (2U) Intel Xeon E E-2136 16 GB DDR4 168 TB HDD QuTS hero Black



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

QNAP TS-H1277AXU-RP NAS Rack (2U) Intel Xeon E E-2136 16 GB DDR4 168 TB HDD QuTS hero Black:



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.

QNAP TS-H1277AXU-RP. Type: NAS. Chassis type: Rack (2U). Device class: Large Enterprise Business. Processor family: Intel Xeon E, Processor model: E-2136, Processor frequency: 3.3 GHz. Internal memory: 16 GB, Internal memory type: DDR4. Total installed storage capacity: 168 TB, Installed storage drive type: HDD. Operating system installed: QuTS hero

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 *	16 GB	Power supply location	Built-in
Internal memory type	DDR4	Power supply unit (PSU) capacity	500 W
Maximum RAM supported	16 GB	Number of power supply units	2
Memory slots	4	Redundant power supply (RPS) support	✓
Memory form factor	UDIMM	Power consumption (typical)	105.12 W
		AC input voltage	100 - 240 V

Memory		Power	
ECC	✓	AC input frequency	50 - 60 Hz
Flash memory	5000 MB	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
Ports & interfaces		Packaging content	
DHCP client	✓	Cables included	AC, LAN (RJ-45)
DHCP server	✓	Power cables quantity	2
Jumbo frames support	✓	Number of screws	84
iSCSI support	✓	Processor special features	
Wake-on-LAN ready	✓	Embedded options available	✗
Dynamic DNS (DDNS)	✓	Enhanced Intel SpeedStep Technology	✓
Design		Execute Disable Bit	✓
USB port *	✓	Idle States	✓
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	4	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	✓
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)	✓
Performance		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Type *	NAS	Intel VT-x with Extended Page Tables (EPT)	✓
		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



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