



# QNAP TS-h1887XU-RP NAS Rack (2U) Intel Xeon E E-2334 16 GB DDR4 168 TB QuTS hero Black, White



**Brand :** QNAP

**Product code:** TS-H1887XU-RP-E2334-16G/168TB-HC

**Product name :** TS-h1887XU-RP

Intel Xeon E-2334, 16 GB ECC DDR4, 5GB Flash, 12 x 3.5" + 6 x 2.5", RJ-45, USB 3.2 Gen 2, 2U, 13 kg  
 QNAP TS-h1887XU-RP. Type: NAS. Chassis type: Rack (2U). Device class: Large Enterprise Business.  
 Processor family: Intel Xeon E, Processor model: E-2334, Processor frequency: 3.4 GHz. Internal memory:  
 16 GB, Internal memory type: DDR4. Total installed storage capacity: 168 TB. Operating system  
 installed: QuTS hero

Storage		Performance	
Storage drive interface *	Serial ATA	Backup function *	✓
Supported storage drive interfaces	Serial ATA	Backup features	Cloud, iSCSI LUN
Storage drive sizes supported	2.5,3.5"	Multilingual support	✓
System drive sizes supported	3.5"	Number of users	16000 user(s)
RAID support *	✓	Snapshot	✓
RAID levels	1, 5, 6, 10, 50, 60, JBOD	Management protocols	SMB/CIFS, AFP, NFS
Online RAID migration	✓	Web-based management	✓
Online RAID expansion	✓	Share folder access right management	✓
RAID rebuild	✓	Security algorithms	HTTPS, SNMPv2, SNMPv3, SSH
Supported file systems	FAT32, HFS+, NTFS, ZFS, exFAT, ext3, ext4	Access Control List (ACL)	✓
Storage drives installed *	✓	Reset button	✓
Total installed storage capacity *	168 TB	On/off switch	✓
Number of storage drives supported *	18	Built-in FTP server	✓
Supported storage drive types *	HDD & SSD	Browser supported	Apple Safari (latest version), Google Chrome (latest version), Microsoft Edge (latest version), Mozilla Firefox (latest version)
Disk roaming	✓	System log	✓
<b>Processor</b>		Hot spare	✓
Processor manufacturer *	Intel	Disk scan	✓
Processor family *	Intel Xeon E	S.M.A.R.T. support	✓
Processor model *	E-2334	Share folder	Thick, Thin
Processor frequency *	3.4 GHz	<b>Software</b>	
Processor boost frequency	4.8 GHz	Operating system installed *	QuTS hero
Processor cores	4	Operating system version	h5.0.1
Processor threads	8		
Processor cache	8 MB		
CPU configuration (max)	1		
<b>Memory</b>			
Internal memory *	16 GB		
Internal memory type	DDR4		
Maximum RAM supported	128 GB		
Memory slots	4		
Memory form factor	UDIMM		
ECC	✓		
Flash memory	5000 MB		
<b>Network</b>			
Ethernet LAN *	✓		
Ethernet LAN data rates	100,1000,2500 Mbit/s		
Copper ethernet cabling technology	10GBASE-T		

Network		Software	
DHCP server	✓		Windows 10, Windows 10 Education, Windows 10 Education x64, Windows 10 Enterprise, Windows 10 Enterprise x64, Windows 10 Home, Windows 10 Home x64, Windows 10 IOT Core, Windows 10 IoT Enterprise, Windows 10 Pro, Windows 10 Pro x64, Windows 10 x64, Windows 11, Windows 11 x64, Windows 7, Windows 7 Enterprise, Windows 7 Enterprise x64, Windows 7 Home Basic, Windows 7 Home Basic x64, Windows 7 Home Premium, Windows 7 Home Premium x64, Windows 7 Professional, Windows 7 Professional x64, Windows 7 Starter, Windows 7 Starter x64, Windows 7 Ultimate, Windows 7 Ultimate x64, Windows 7 x64, Windows 8, Windows 8 Enterprise, Windows 8 Enterprise x64, Windows 8 Pro, Windows 8 Pro x64, Windows 8 x64
Jumbo frames support	✓		
iSCSI support	✓		
Supported network protocols	IPv4, IPv6		
Dynamic DNS (DDNS)	✓		
Ports & interfaces			
USB port *	✓		
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	4	Windows operating systems supported	
Ethernet LAN (RJ-45) ports *	4		
Number of SATA III connectors	18		
Concurrent connections	11000		
PCI Express x8 (Gen 4.x) slots	1		
Design			
Chassis type *	Rack (2U)		
Cooling type *	Active		
Product colour	Black, White		
Number of fans	4 fan(s)		
Fan diameter	6 cm	Linux operating systems supported	CentOS 7.0, Ubuntu 14.04, openSUSE 12.1, openSUSE 12.2
LED indicators	HDD, LAN, Status, USB		
Performance			
Type *	NAS	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, Mac OS X 10.15.3 Catalina, Mac OS X 11.0 Big Sur, Mac OS X 12.0 Monterey, Mac OS X 13.0 Ventura
Device class *	Large Enterprise Business	Server operating systems supported	Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019
		Other operating systems supported	IBM AIX 7.1, Solaris 10
		Power	
		Power supply location	Built-in
		Power supply unit (PSU) capacity	550 W
		Number of power supply units	2
		Redundant power supply (RPS) support	✓
		Power consumption (typical)	148.94 W
		Weight & dimensions	
		Width *	432 mm
		Depth *	511.2 mm
		Height *	88.6 mm
		Package weight	19 kg
		Packaging content	
		Cables included	AC, LAN (RJ-45)
		Power cables quantity	2
		Number of screws	112
		Processor special features	
		Enhanced Intel SpeedStep Technology	✓
		Execute Disable Bit	✓
		Idle States	✓
		Intel 64	✓
		Intel Trusted Execution Technology	✓
		Intel Virtualization Technology (VT-x)	✓
		Intel Virtualization Technology for Directed I/O (VT-d)	✓
		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

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