



# QNAP TS-h987XU-RP NAS Rack (1U) Intel Xeon E E-2334 16 GB DDR4 48 TB QuTS hero Black, Silver



**Brand :** QNAP

**Product code:** TS-H987XU-RP-E2334-16G/48TB-EXO

**Product name :** TS-h987XU-RP

Intel Xeon E-2334, 16 GB ECC DDR4, 5GB Flash, 4 x 3.5" + 5 x 2.5" U.2, RJ-45, USB 3.2 Gen 2, 2 x 300W PSU, 8.43 kg

QNAP TS-h987XU-RP. Type: NAS. Chassis type: Rack (1U). 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: 48 TB. Operating system installed: QuTS hero

Storage		Performance	
Supported storage drive interfaces	Serial ATA, U.2	Device class *	Large Enterprise Business
Storage drive sizes supported	2.5,3.5"	Backup function *	✓
RAID support *	✓	Backup features	iSCSI LUN
RAID levels	0, 1, 5, 6, 10, 50, 60	Multilingual support	✓
Online RAID expansion	✓	Snapshot	✓
RAID rebuild	✓	Security algorithms	256-bit AES, FIPS 140-2
Supported file systems	FAT32, HFS+, NTFS, ZFS, exFAT, ext3, ext4	Access Control List (ACL)	✓
Storage drives installed *	✗	Reset button	✓
Total installed storage capacity *	48 TB	On/off switch	✓
Number of storage drives supported *	9	Built-in FTP server	✓
Installed storage drive type *	✗	Browser supported	Apple Safari, Google Chrome, Microsoft Edge, Mozilla Firefox
Supported storage drive types *	HDD & SSD	System log	✓
Disk roaming	✓	Hot spare	✓
		Disk scan	✓
		S.M.A.R.T. support	✓
		Share folder	Thick, Thin
Processor		Software	
Processor manufacturer *	Intel	Operating system installed *	QuTS hero
Processor family *	Intel Xeon E	Operating system version	h5.0.0
Processor model *	E-2334		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
Processor frequency *	3.4 GHz	Windows operating systems supported	
Processor boost frequency	4.8 GHz		
Processor cores	4		
Processor threads	8		
Processor cache	8 MB		
CPU configuration (max)	1		
Memory			
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		
Network			
Ethernet LAN *	✓		
Ethernet LAN data rates	100,1000,2500,5000,10000 Mbit/s		
Ethernet LAN data rate supported (max)	10000 Mbit/s		
DHCP server	✓		
iSCSI support	✓		

<b>Network</b>		<b>Software</b>	
Wake-on-LAN ready	✓	Linux operating systems supported	Debian 7.0, Red Hat Enterprise Linux WS 7.0, SuSE Linux 12.0, SuSE Linux 12.3, SuSE Linux 15, Ubuntu 14.04, Ubuntu 14.10, Ubuntu 15.04, Ubuntu 15.10, Ubuntu 16.04, Ubuntu 16.10, Ubuntu 17.10, Ubuntu 18.04 LTS, Ubuntu 20.04 LTS, Ubuntu 22.04
Supported network protocols	IPv4, IPv6		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
Dynamic DNS (DDNS)	✓		Mac operating systems supported
<b>Ports &amp; interfaces</b>		Server operating systems supported	Other operating systems supported
USB port *	✓		
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	4	IBM AIX 7.1, Solaris 10, Solaris 10 SPARC, Solaris 11, Solaris 11 SPARC	
Ethernet LAN (RJ-45) ports *	4		
Concurrent connections	10000		
PCI Express x8 (Gen 4.x) slots	1		
<b>Design</b>			
Chassis type *	Rack (1U)	<b>Power</b>	
Cooling type *	Active	Power supply unit (PSU) capacity	250 W
Product colour	Black, Silver	Number of power supply units	2
Number of fans	4 fan(s)	Power consumption (typical)	120.58 W
Fan diameter	4 cm	Power consumption (sleep)	114.6 W
LED indicators	HDD, LAN, Status	<b>Weight &amp; dimensions</b>	
<b>Performance</b>		Width *	430 mm
Type *	NAS	Depth *	479 mm
		Height *	43.3 mm
		Weight	8.43 kg
		Package weight	11.1 kg
		<b>Packaging content</b>	
		Cables included	AC, LAN (RJ-45)
		Power cables quantity	2
		Number of screws	52
		<b>Processor special features</b>	
		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)	✓
		<b>Operational conditions</b>	
		Operating temperature (T-T)	0 - 40 °C
		Operating relative humidity (H-H)	5 - 95%

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