QNAP TS-h987XU-RP NAS Rack (1U) Intel Xeon E E-2334 16 GB DDR4 56 TB QuTS hero Black, Silver

Brand : QNAP **Product code:** TS-H987XU-RP-E2334-16G/56TB-HC

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: 56 TB. Operating system installed: QuTS hero

Storage	
Supported storage drive interfaces	Serial ATA, U.2
Storage drive sizes supported	2.5,3.5"
RAID support *	✓
RAID levels	0, 1, 5, 6, 10, 50, 60
Online RAID expansion	✓
RAID rebuild	✓
Supported file systems	FAT32, HFS+, NTFS, ZFS, exFAT, ext3, ext4
Storage drives installed *	✗
Total installed storage capacity *	56 TB
Number of storage drives supported *	9
Installed storage drive type *	✗
Supported storage drive types *	HDD & SSD
Disk roaming	✓

Processor	
Processor manufacturer *	Intel
Processor family *	Intel Xeon E
Processor model *	E-2334
Processor frequency *	3.4 GHz
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	✓

Performance	
Device class *	Large Enterprise Business
Backup function *	✓
Backup features	iSCSI LUN
Multilingual support	✓
Snapshot	✓
Security algorithms	256-bit AES, FIPS 140-2
Access Control List (ACL)	✓
Reset button	✓
On/off switch	✓
Built-in FTP server	✓
Browser supported	Apple Safari, Google Chrome, Microsoft Edge, Mozilla Firefox
System log	✓
Hot spare	✓
Disk scan	✓
S.M.A.R.T. support	✓
Share folder	Thick, Thin

Software	
Operating system installed *	QuTS hero
Operating system version	h5.0.0
Windows operating systems supported	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

Network	
Wake-on-LAN ready	✓
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
Ethernet LAN (RJ-45) ports *	4
Concurrent connections	10000
PCI Express x8 (Gen 4.x) slots	1

Design	
Chassis type *	Rack (1U)
Cooling type *	Active
Product colour	Black, Silver
Number of fans	4 fan(s)
Fan diameter	4 cm
LED indicators	HDD, LAN, Status

Performance	
Type *	NAS

Software	
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
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
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, Solaris 10 SPARC, Solaris 11, Solaris 11 SPARC

Power	
Power supply unit (PSU) capacity	250 W
Number of power supply units	2
Power consumption (typical)	120.58 W
Power consumption (sleep)	114.6 W

Weight & dimensions	
Width *	430 mm
Depth *	479 mm
Height *	43.3 mm
Weight	8.43 kg
Package weight	11.1 kg

Packaging content	
Cables included	AC, LAN (RJ-45)
Power cables quantity	2
Number of screws	52

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%

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