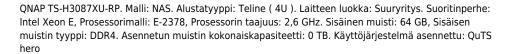**QNAP**

QNAP TS-H3087XU-RP NAS Teline (4U) Intel Xeon E E-2378 64 GB DDR4 0 TB QuTS hero musta, Valkoinen

Tuotemerkki : QNAP

Tuotekoodi: TS-H3087XU-RP-E2378-64G

Tuotteen nimi : TS-H3087XU-RP

QNAP TS-H3087XU-RP. Malli: NAS. Alustatyyppi: Teline (4U). Laitteen luokka: Suuryritys. Suoritinperhe: Intel Xeon E, Prosessorimalli: E-2378, Prosessorin taajuus: 2,6 GHz. Sisäinen muisti: 64 GB, Sisäisen muistin tyyppi: DDR4. Asennetun muistin kokonaiskapasiteetti: 0 TB. Käyttöjärjestelmä asennettu: QuTS hero

Storage

Storage drive interface *	Serial ATA III
Supported storage drive interfaces	Serial ATA II, Serial ATA III
Storage drive sizes supported	2.5,3.5"
System drive sizes supported	3.5"
RAID support *	✔
RAID levels	1, 5, 6, 10, 50, 60, JBOD
Online RAID migration	✔
Online RAID expansion	✔
RAID rebuild	✔
Hot-swap drive bays	✔
Supported file systems	FAT32, HFS+, NTFS, ZFS, exFAT, ext3, ext4
Storage drives installed *	✗
Total installed storage capacity *	0 TB
Number of storage drives supported *	30
Installed storage drive type *	✗
Supported storage drive types *	HDD & SSD
Auto-rebuild	✔
Disk roaming	✔

Processor

Processor manufacturer *	Intel
Processor family *	Intel Xeon E
Processor model *	E-2378
Processor frequency *	2.6 GHz
Processor boost frequency	4.8 GHz
Processor cores	8
Processor threads	16
Processor cache	16 MB
CPU configuration (max)	1

Memory

Internal memory *	64 GB
Internal memory type	DDR4
Maximum RAM supported	128 GB
Memory slots	4

Performance

Multilingual support	✔
Number of users	16000 user(s)
Snapshot	✔
Management protocols	SMB/CIFS, AFP, NFS
Web-based management	✔
Share folder access right management	✔
Security algorithms	HTTPS, SNMPv2, SNMPv3, SSH
Access Control List (ACL)	✔
Reset button	✔
On/off switch	✔
Built-in FTP server	✔
Browser supported	Apple Safari (latest version), Google Chrome (latest version), Microsoft Edge (latest version), Mozilla Firefox (latest version)
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

Memory

Memory form factor	UDIMM
ECC	✔
Flash memory	5000 MB

Network

Ethernet LAN *	✔
Ethernet LAN data rates	100,1000,2500 Mbit/s
Copper ethernet cabling technology	10GBASE-T
DHCP server	✔
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
Ethernet LAN (RJ-45) ports *	4
Number of SATA III connectors	30
PCI Express x8 (Gen 4.x) slots	1

Design

Chassis type *	Rack (4U)
Cooling type *	Active
Product colour	Black, White
Number of fans	4 fan(s)
Fan diameter	8 cm
LED indicators	HDD, LAN, Status, USB

Performance

Type *	NAS
Device class *	Large Enterprise Business
Backup function *	✔
Backup features	Cloud, iSCSI LUN

Software

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
Linux operating systems supported	CentOS 7.0, Ubuntu 14.04, openSUSE 12.1, openSUSE 12.2
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

Power

Power supply location	Built-in
Power supply unit (PSU) capacity	800 W
Number of power supply units	2
Redundant power supply (RPS) support	✔
Power consumption (typical)	219.03 W

Weight & dimensions

Width *	441.6 mm
Depth *	630.2 mm
Height *	176.2 mm
Weight	21.8 kg
Package weight	29.6 kg

Packaging content

Cables included	AC, LAN (RJ-45)
Power cables quantity	2
Quick installation guide	✔
Number of screws	216

Processor special features

Enhanced Intel SpeedStep Technology	✔
Execute Disable Bit	✔
Idle States	✔
Intel 64	✔
Intel Trusted Execution Technology	✔
Intel Virtualization Technology (VT-x)	✔

Processor special features	
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

Other features	
Fibre Channel	✔

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