QNAP TS-H3087XU-RP NAS Rack (4U) Intel Xeon E E-2378 64 GB DDR4 192 TB QuTS hero Black, White

Brand : QNAP

Product code: TS-H3087XU-RP-E2378-64G/192TB-HC

Product name : TS-H3087XU-RP

Intel Xeon E-2378, 64 GB ECC DDR4, 5GB Flash, 24 x 3.5" SATA + 6 x 2.5" SATA, RJ-45, USB 3.2 Gen 2, 4U, 21.78 kg
QNAP TS-H3087XU-RP. Type: NAS. Chassis type: Rack (4U). Device class: Large Enterprise Business. Processor family: Intel Xeon E, Processor model: E-2378, Processor frequency: 2.6 GHz. Internal memory: 64 GB, Internal memory type: DDR4. Total installed storage capacity: 192 TB. Operating system installed: QuTS hero

Storage	
Storage drive interface *	Serial ATA
Supported storage drive interfaces	Serial ATA
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 expansion	✓
RAID rebuild	✓
Supported file systems	FAT32, HFS+, NTFS, ZFS, exFAT, ext3, ext4
Storage drives installed *	✗
Total installed storage capacity *	192 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
Memory form factor	UDIMM
ECC	✓
Flash memory	5000 MB

Network	
Ethernet LAN *	✓
Ethernet LAN data rates	100,1000,2500 Mbit/s

Performance	
Backup function *	✓
Backup features	Cloud, iSCSI LUN
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

Network	
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

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

Weight & dimensions	
Width *	483 mm
Depth *	630 mm
Height *	178 mm
Weight	21.8 kg
Package weight	29.6 kg

Packaging content	
Cables included	AC, LAN (RJ-45)
Power cables quantity	2
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)	✓
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

Operational conditions	
Operating relative humidity (H-H)	5 - 95%
Storage temperature (T-T)	-20 - 70 °C

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