



QNAP TS-H3087XU-RP NAS Rack (4U) Intel Xeon E E-2378 64 GB DDR4 288 TB QuTS hero Black, White



Brand : QNAP

Product code: TS-H3087XU-RP-E2378-64G/288TB-EX

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: 288 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 expansion	✓	Web-based management	✓
RAID rebuild	✓	Share folder access right management	✓
Supported file systems	FAT32, HFS+, NTFS, ZFS, exFAT, ext3, ext4	Security algorithms	HTTPS, SNMPv2, SNMPv3, SSH
Storage drives installed *	✗	Access Control List (ACL)	✓
Total installed storage capacity *	288 TB	Reset button	✓
Number of storage drives supported *	30	On/off switch	✓
Installed storage drive type *	✗	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)
Auto-rebuild	✓	System log	✓
Disk roaming	✓	Hot spare	✓
Processor		Disk scan	✓
Processor manufacturer *	Intel	S.M.A.R.T. support	✓
Processor family *	Intel Xeon E	Share folder	Thick, Thin
Processor model *	E-2378	Software	
Processor frequency *	2.6 GHz	Operating system installed *	QuTS hero
Processor boost frequency	4.8 GHz	Operating system version	h5.0.0
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		

Network		Software	
Copper ethernet cabling technology	10GBASE-T		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
DHCP server	✓	Windows operating systems supported	
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	Linux operating systems supported	CentOS 7.0, Ubuntu 14.04, openSUSE 12.1, openSUSE 12.2
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	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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