



QNAP TS-H3087XU-RP NAS Rack (4U) Intel Xeon E E-2378 64 GB DDR4 432 TB QuTS hero Black, White



Brand : QNAP

Product code: TS-H3087XU-RP-E2378-64G/432TB-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: 432 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 *	432 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	Linux operating systems supported	CentOS 7.0, Ubuntu 14.04, openSUSE 12.1, openSUSE 12.2
Dynamic DNS (DDNS)	✓		
Ports & interfaces		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
USB port *	✓		Server operating systems supported
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	4	Other operating systems supported	
Ethernet LAN (RJ-45) ports *	4		
Number of SATA III connectors	30		
PCI Express x8 (Gen 4.x) slots	1		
Design		Power	
Chassis type *	Rack (4U)	Power supply location	Built-in
Cooling type *	Active	Power supply unit (PSU) capacity	800 W
Product colour	Black, White	Number of power supply units	2
Number of fans	4 fan(s)	Weight & dimensions	
Fan diameter	8 cm	Width *	483 mm
LED indicators	HDD, LAN, Status, USB	Depth *	630 mm
		Height *	178 mm
		Weight	21.8 kg
		Package weight	29.6 kg
Performance		Packaging content	
Type *	NAS	Cables included	AC, LAN (RJ-45)
Device class *	Large Enterprise Business	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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