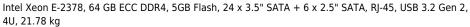
## QNAP

## QNAP TS-H3087XU-RP NAS Rack (4U) Intel Xeon E E-2378 64 GB DDR4 48 TB QuTS hero Black, White

**Brand :** QNAP **Product code:** TS-H3087XU-RP-E2378-64G/48TB-

EXC

Product name: TS-H3087XU-RP



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: 48 TB. Operating system installed: OuTS 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	<b>√</b>
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	✓ FAT32, HFS+, NTFS, ZFS, exFAT,	Share folder access right management	✓
Supported file systems	ext3, ext4	Security algorithms	HTTPS, SNMPv2, SNMPv3, SSH
Storage drives installed *	×	Access Control List (ACL)	✓
Total installed storage capacity *	48 TB	Reset button	✓
Number of storage drives supported	30	On/off switch	✓
*		Built-in FTP server	✓
Installed storage drive type * Supported storage drive types * Auto-rebuild	X HDD & SSD ✓	Browser supported	Apple Safari (latest version), Google Chrome (latest version), Microsoft Edge (latest version), Mozilla Firefo (latest version)
Disk roaming	✓	System log	<b>V</b>
Processor		Hot spare	<b>√</b>
Processor manufacturer *	Intel	Disk scan	<b>√</b>
Processor family *	Intel Xeon E	S.M.A.R.T. support	✓
Processor model *	E-2378	Share folder	Thick, Thin
Processor frequency *	2.6 GHz	Software	
Processor boost frequency	4.8 GHz	Operating system installed *	QuTS hero
Processor cores	8	Operating system version	h5.0.0
Processor threads	16	operating system version	115.0.0
Processor cache	16 MB		
CPU configuration (max)	1		
Memory			
Internal memory * Internal memory type Maximum RAM supported Memory slots Memory form factor ECC	64 GB DDR4 128 GB 4 UDIMM ✓		
Flash memory	5000 MB		
Network			
Ethernet LAN *	1		

100,1000,2500 Mbit/s

Ethernet LAN data rates

Network  Conner athernat cabling technology	10CDACE T	Software	Windows 10 Windows 10
Copper ethernet cabling technology DHCP server iSCSI support Supported network protocols Dynamic DNS (DDNS)	10GBASE-T  ✓  IPv4, IPv6  ✓	Ec x6 W W He	Nindows 10, Windows 10 Education, Windows 10 Education K64, Windows 10 Enterprise, Nindows 10 Enterprise x64, Nindows 10 Home, Windows 10 Home x64, Windows 10 IOT Core, Nindows 10 IOT Enterprise,
Ports & interfaces			Windows 10 Pro, Windows 10 Pro
USB port * USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity Ethernet LAN (RJ-45) ports * Number of SATA III connectors PCI Express x8 (Gen 4.x) slots	4 4 30 1	Windows operating systems supported	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
Design			Professional x64, Windows 7
Chassis type * Cooling type * Product colour Number of fans Fan diameter	Rack (4U) Active Black, White 4 fan(s) 8 cm		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  CentOS 7.0, Ubuntu 14.04,
LED indicators	HDD, LAN, Status, USB	Linux operating systems supported	openSUSE 12.1, openSUSE 12.2
Performance Type * Device class *	NAS Large Enterprise Business	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 Power supply unit (PSU) capacity Number of power supply units	Built-in 800 W 2
		Weight & dimensions	
		Width * Depth * Height * Weight Package weight	483 mm 630 mm 178 mm 21.8 kg 29.6 kg
		Packaging content	
		Cables included Power cables quantity Number of screws	AC, LAN (RJ-45) 2 216
		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)	1 1 1 1 1
		Operational conditions	

Operating temperature (T-T)

0 - 40 °C

## Operational conditions

Operating relative humidity (H-H) \$5 - 95% Storage temperature (T-T) \$-20 -  $70\ ^{\circ}\text{C}$ 

