

TS-EC2480U-E3-4GE-R2	
CPU	Intel® Xeon® E3-1245 v3 quad-core 3.4 GHz processor, E3-1246 v3 quad-core 3.5 GHz processor or a compatible E3-1200 v3 family processor
CPU Architecture	64-bit x86
Floating Point Unit	Yes
Encryption Engine	Yes (AES-NI)
System Memory	4GB UDIMM DDR3 ECC (2 x 2GB)
Maximum Memory	32 GB
Memory Slot	4 x DDR3 Long-DIMM When upgrading RAM to more than 28GB, the original 4GB RAM modules must be removed. For the information of RAM module installation and compatible NAS models, please refer to the QNAP RAM Module Installation Guide
Flash Memory	512MB (DOM for dual OS)
Drive Bay	24 x 3.5-inch The standard system is shipped without hard drives. For the HDD compatibility list, please visit https://www.qnap.com/compatibility/
Drive Compatibility	3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives
Hot-swappable	Yes
mSATA slot	2 (mSATA flash module is optional) For the optional mSATA flash, please visit http://shop.qnap.com/
SSD Cache Acceleration Support	Yes
Gigabit Ethernet Port (RJ45)	4 For a list of compatible network adapters, please visit the Compatibility List . For instructions on how to install network adapters, please refer to Chapter 6 of the QNAP NAS Hardware Manual .
10 Gigabit Ethernet Port	2 x 10GbE SFP+
Jumbo Frame	Yes
PCIe Slot	2 (Right slot: 1* PCIe Gen3 x8; Left slot: 1* PCIe Gen3 x4) The PCIe Gen3 x8 slot is occupied by a 10GbE network adapter.

USB 2.0 port	4
USB 3.0 port	4
HDMI Output	1
Form Factor	4U Rack Mount
LED Indicators	HDD 1-24, Status, 10 GbE, LAN, storage expansion port status
Buttons	Power, Reset
Dimensions (HxWxD)	176.15 × 442.5 × 530.5 mm
Weight (Net)	23.08 kg
Weight (Gross)	28.56 kg
Operating temperature	0 - 40 °C (32°F - 104°F)
Relative Humidity	5~95% RH non-condensing, wet bulb: 27°C (80.6°F)
Power Supply Unit	Redundant/ Hot Swap ATX Power Supply,Input: 50-60 Hz 100-127V~/ 8.5A 200-240V/ 4.2A Output: 650W
Power Consumption: HDD Sleep Mode	129.43 W
Power Consumption: Operating Mode, Typical	263.81 W With 24 x HITACHI HUS724020ALA640 hard drive installed
Fan	4 x 8 cm smart cooling fan
Sound Level	48.3 db(A)
System Warning	Buzzer

Note: Use only QNAP memory modules to maintain system performance and stability. For NAS devices with more than one memory slot, use QNAP modules with identical specifications. Warning: Using unsupported modules may degrade performance, cause errors, or prevent the operating system from starting.

* Sound Level Test Environment: Refer to ISO 7779; Maximum HDD loaded; Bystander Position; Average data from 1 meter in front of operating NAS.

Designs and specifications are subject to change without notice.