

## TS-EC1280U-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                                                                                                                      |
| Flash Memory                   | 512MB (DOM for dual OS)                                                                                                                 |
| Drive Bay                      | 12 x 3.5-inch                                                                                                                           |
| Drive Compatibility            | 3.5-inch SATA hard disk drives<br>2.5-inch SATA hard disk drives<br>2.5-inch SATA solid state drives                                    |
| Hot-swappable                  | Yes                                                                                                                                     |
| mSATA slot                     | 2<br>(mSATA flash module is optional)                                                                                                   |
| SSD Cache Acceleration Support | Disk 1, 2, 3, 4                                                                                                                         |
| Gigabit Ethernet Port (RJ45)   | 4                                                                                                                                       |
| 10 Gigabit Ethernet Port       | 2 x 10GbE SFP+                                                                                                                          |
| Jumbo Frame                    | Yes                                                                                                                                     |
| PCIe Slot                      | 2<br>Slot 1: PCIe Gen3 x8<br>Slot 2: PCIe Gen3 x4                                                                                       |
| USB 2.0 port                   | 4                                                                                                                                       |
| USB 3.0 port                   | 4                                                                                                                                       |
| HDMI Output                    | 1                                                                                                                                       |
| Form Factor                    | 2U Rack Mount                                                                                                                           |
| LED Indicators                 | HDD 1-12, Status, 10 GbE, LAN, storage expansion port status                                                                            |
| Buttons                        | Power, Reset                                                                                                                            |
| Dimensions (HxWxD)             | 88 × 442.5 × 530.5 mm                                                                                                                   |
| Weight (Net)                   | 14.18 kg                                                                                                                                |

|                                            |                                                                                                          |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Weight (Gross)                             | 21.41 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:<br>47-63 Hz<br>100-127V~/ 8A<br>200-240V/ 4A<br>Output: 400W |
| Power Consumption: HDD Sleep Mode          | 80.41 W                                                                                                  |
| Power Consumption: Operating Mode, Typical | 166.58 W                                                                                                 |
| Fan                                        | 4 x 6 cm smart cooling fan                                                                               |
| Sound Level                                | 55.3 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.