QNAP

TS-h1277AFX-R7-32G

CPU	AMD Ryzen™ 7 9000 Series 8C/16T 3.8 GHz, up to 5.5 GHz
CPU Architecture	64-bit x86
Graphic Processors	AMD Radeon iGPU
Encryption Engine	Yes (AES-NI)
Hardware-accelerated Transcoding	Yes
System Memory	32 GB UDIMM DDR5 ECC (1 x 32 GB)
Maximum Memory	192 GB (4 x 48GB)
Memory Slot	4 x DDR5 UDIMM
Flash Memory	4GB (Dual boot OS protection)
Drive Bay	12 x 2.5" SATA 6Gb/s The system is shipped without SSD. For the SSD compatibility list, please visit https://www.qnap.com/compatibility/
Drive Compatibility	2.5-inch SATA solid state drives
Hot-swappable	Yes
M.2 Slot	Optional via PCIe adapters Compatible with NVMe SSD PCIe Gen 3 and above. Please refer to https://www.qnap.com/compatibility/ for compatibility.
SSD Cache Acceleration Support	Yes
GPU pass-through	Yes
SR-IOV	Yes
2.5 Gigabit Ethernet Port (2.5G/1G/100M)	2 (2.5G/1G/100M/10M)
10 Gigabit Ethernet Port	2 x 10GBASE-T (10G/5G/2.5G/1G/100M)
25 Gigabit Ethernet Port	Optional via a PCIe adapter

Wake on LAN (WOL)	Yes Only the 2.5GbE port
Jumbo Frame	Yes
PCIe Slot	3 Slot 1: Gen 4 x 4 Slot 2: Gen 4 x 8 or Gen 4 x 4* Slot 3: Gen 4 x 8 *Slot 2 provides the width of PCIe Gen4 x8 when Slot 1 is not in use, and provides the width of PCIe Gen4 x4 when Slot 1 is in use. Card dimensions for PCIe slot 1 ~ Slot 2 : 185 x 111.15 x 18.76 mm / 7.28 x 4.38 x 0.74 inches. Card dimensions for PCIe slot 3 : 280 x 111.15 x 18.76 mm / 11.02 x 4.38 x 0.74 inches. Wider cards can be installed if the next PCIe slot will not be used.
USB 3.2 Gen 1 port	1
USB 3.2 Gen 2 (10Gbps) Port	2 x USB 3.2 (1x Type-C with DPI included , 1x Type-A) (10Gb/s)
HDMI™ Output	1 x HDMI™ 1.4b (up to 3840 x 2160 @ 30Hz)
Form Factor	Tower
LED Indicators	Power/Status, LAN, USB, SSD1-12
LCD Display/ Button	Yes
Buttons	Power, Reset, USB Auto Copy
Dimensions (HxWxD)	157.2 × 368 × 362 mm Dimensions do not include foot pad (foot pad may be up to 30mm / 1.18 inches high depending on model)
Weight (Net)	8 kg
Weight (Gross)	8.9 kg
Operating Temperature	0 - 40 ℃ (32°F - 104°F)
Storage Temperature	-20 - 70°C (-4°F - 158°F)
Relative Humidity	5-95% RH non-condensing, wet bulb: 27°C (80.6°F)
Power Supply Unit	Minimum 500W, 100-240V
Power Consumption: Disk Standby Mode	69.01
Power Consumption: Operating Mode, Typical	102.54 W Tested with drives fully populated.
Fan	2 x 92mm, 12VDC
System Warning	Buzzer

Kensington Security Slot	Yes
Standard Warranty	5
Max. Number of Concurrent Connections (CIFS) - with Max. Memory	10,000

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 and refer to the hardware user manual to install compatible QNAP memory modules.

Warning: Using unsupported modules may degrade performance, cause errors, or prevent the operating system from starting.

QNAP reserves the right to replace partial parts or accessories if the original is no longer available from its manufacturer/supplier. Any replacement would be fully tested and verified to meet strict compatibility and stability guidelines and will deliver identical performance to the original.

The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

Product images are for illustrative purposes only and may differ from the actual product. Due to differences in monitors, colors of products may also appear different to those shown on the site.

Designs and specifications are subject to change without notice.