



CPU Intel Core Ultra 7, 20 CPU Architecture 64-bit x86 Graphic Processors Intel® Graphics	(8P+12E) core, 20 Threads, up to 5.3GHz
Graphic Processors Intel® Graphics	
Floating Point Unit Yes	
Encryption Engine Yes (AES-NI)	
Hardware-accelerated Yes Transcoding	
Neural Processing Unit Yes (NPU)	
System Memory 32GB ECC UDIMM D	DR5 (1 x 32 GB)
Maximum Memory 192 GB (4 x 48 GB)	
Memory Slot 4 x UDIMM DDR5	
For dual-DIMM conf	figurations, you must use a pair of identical DDR5 modules.
Flash Memory 5GB (Dual boot OS p	protection)
Drive Bay 12 x 3.5-inch SATA 6	GGb/s, 3Gb/s + 4 x 2.5-inch U.2 NVMe Gen 4 x2 slots
Drive Compatibility 3.5-inch bays: 3.5-inch SATA hard of 2.5-inch SATA solid s	disk drives
2.5-inch bays: 2.5-inch U.2/SATA S	SD
Hot-swappable Yes	
SSD Cache Acceleration Yes Support	
2.5 Gigabit Ethernet Port 2 (2.5G/1G/100M/10 (2.5G/1G/100M)	DM)

5 Gigabit Ethernet Port (5G/2.5G/1G/100M)	Optional via an adapter
10 Gigabit Ethernet Port	2 x 10GBASE-T (10G/5G/2.5G/1G)
25 Gigabit Ethernet Port	Optional via an adapter
Wake on LAN (WOL)	Yes
	Only the 2.5GbE port
Jumbo Frame	Yes
Thunderbolt Port	Optional via the QXP-T52P 2-port Thunderbolt 5 PCIe adapter
	Supports only Thunderbolt connections for Windows & Mac hosts and USB storage devices. Third-party Thunderbolt external storage devices are not supported.
PCIe Slot	3 Slot 1: PCIe Gen4 x16 Slot 2: PCIe Gen4 x4 Slot 3: PCIe Gen4 x4
	Card dimensions for PCIe slot 1: $260 \times 111.15 \times 37.52 \text{ mm} / 10.25 \times 4.38 \times 1.48$ inches. Card dimensions for PCIe slot 2: $150 \times 68.9 \times 18.76 \text{ mm} / 5.90 \times 2.71 \times 0.74$ inches. Card dimensions for PCIe slot 3: $150 \times 68.9 \times 18.76 \text{ mm} / 5.90 \times 2.71 \times 0.74$ inches. Wider cards can be installed if the next PCIe slot will not be used."
USB 3.2 Gen 2 (10Gbps) Port	3 x USB3.2 Gen2 Type-A 2 x USB3.2 Gen 2 Type-C
USB 4 port	2 x USB4 Type-C
HDMI™ Output	1, HDMI™ 2.1 (up to 4096 x 2160 @ 60Hz)
Form Factor	Tower
LED Indicators	System status, LAN, USB, Disk 1~16
LCD Display/ Button	Yes
Buttons	Power, Reset, USB Auto Copy
Dimensions (HxWxD)	294.3 × 369.89 × 319.8 mm
Weight (Net)	13.8 kg
Operating Temperature	0 - 40°C (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	750W PSU, 100~240V
Power Consumption: Disk Standby Mode	97.036 W
Power Consumption: Operating Mode, Typical	130.83 W

Fan	System fan: 3 x 80mm, 12VDC CPU fan: 2 x 97mm, 12VDC
System Warning	Buzzer
Kensington Security Slot	Yes
Standard Warranty	5
Max. Number of Concurrent Connections (CIFS) - with Max. Memory	10000

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.

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