



CPU Intel® Celeron® J4125 quad-core 2.0 GHz processor (burst up to 2.7 GHz) CPU Architecture 64-bit x86 Graphic Processors Intel® HD Graphics 600 Floating Point Unit Yes Encryption Engine Yes (AES-NI) Hardware-accelerated Transcoding System Memory 4 GB SO-DIMM DDR4 (1 x 4 GB) Maximum Memory 8 GB (2 x 4GB) Memory Slot 2 x SO-DIMM DDR4 Flash Memory 4GB (Dual boot OS protection) Drive Bay 4 x 3.5-inch SATA 6Gb/s, 3Gb/s Drive Compatibility 3.5-inch SATA hard disk drives 2.5-inch SATA solid state drives Hot-swappable Yes M.2 SSD Slot Optional via a PCIe adapter SSD Cache Acceleration Support 2.5 Gigabit Ethernet Port (2.5G/1G/100M) Wake on LAN (WOL) Yes Jumbo Frame Yes PCIe Slot 1 Slot 1: PCIe Gen 2 x2 USB 2.0 port 2	TS-453DU-RP-4G	
Graphic Processors Intel® HD Graphics 600 Floating Point Unit Yes Encryption Engine Yes (AES-NI) Hardware-accelerated Transcoding System Memory 4 GB SO-DIMM DDR4 (1 x 4 GB) Maximum Memory 8 GB (2 x 4GB) Memory Slot 2 x SO-DIMM DDR4 Flash Memory 4GB (Dual boot OS protection) Drive Bay 4 x 3.5-inch SATA 6Gb/s, 3Gb/s Drive Compatibility 3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives Hot-swappable Yes M.2 SSD Slot Optional via a PCIe adapter SSD Cache Acceleration Support 2.5 Gigabit Ethernet Port (2.5G/1G/100M) Wake on LAN (WOL) Yes PCIe Slot 1 Slot 1: PCIe Gen 2 x2	CPU	Intel® Celeron® J4125 quad-core 2.0 GHz processor (burst up to 2.7 GHz)
Floating Point Unit Encryption Engine Yes (AES-NI) Hardware-accelerated Transcoding System Memory 4 GB SO-DIMM DDR4 (1 x 4 GB) Maximum Memory 8 GB (2 x 4GB) Memory Slot 2 x SO-DIMM DDR4 Flash Memory 4GB (Dual boot OS protection) Drive Bay 4 x 3.5-inch SATA 6Gb/s, 3Gb/s Drive Compatibility 3.5-inch SATA hard disk drives 2.5-inch SATA solid state drives 4.5-inch SATA solid state drives Hot-swappable Yes M.2 SSD Slot Optional via a PCIe adapter SSD Cache Acceleration Support 2.5 Gigabit Ethernet Port (2.5G/1G/100M) Wake on LAN (WOL) Yes PCIe Slot 1 Slot 1: PCIe Gen 2 x2	CPU Architecture	64-bit x86
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Hardware-accelerated Transcoding System Memory 4 GB SO-DIMM DDR4 (1 x 4 GB) Maximum Memory 8 GB (2 x 4GB) Memory Slot 2 x SO-DIMM DDR4 Flash Memory 4GB (Dual boot OS protection) Drive Bay 4 x 3.5-inch SATA 6Gb/s, 3Gb/s Drive Compatibility 3.5-inch bays: 3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives Hot-swappable Yes M.2 SSD Slot Optional via a PCIe adapter SSD Cache Acceleration Support 2 (also support 10M) C2.5 Gigabit Ethernet Port (2.5G/1G/100M) Wake on LAN (WOL) Yes PCIe Slot 1 Slot 1: PCIe Gen 2 x2	Floating Point Unit	Yes
Transcoding System Memory 4 GB SO-DIMM DDR4 (1 x 4 GB) Maximum Memory 8 GB (2 x 4GB) Memory Slot 2 x SO-DIMM DDR4 Flash Memory 4GB (Dual boot OS protection) Drive Bay 4 x 3.5-inch SATA 6Gb/s, 3Gb/s Drive Compatibility 3.5-inch bays: 3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives Hot-swappable Yes M.2 SSD Slot Optional via a PCIe adapter SSD Cache Acceleration Support 2.5 Gigabit Ethernet Port (2.5G/1G/100M) Wake on LAN (WOL) Yes PCIe Slot 1 Slot 1: PCIe Gen 2 x2	Encryption Engine	Yes (AES-NI)
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Memory Slot 2 x SO-DIMM DDR4 Flash Memory 4GB (Dual boot OS protection) Drive Bay 4 x 3.5-inch SATA 6Gb/s, 3Gb/s Drive Compatibility 3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives Hot-swappable Yes M.2 SSD Slot Optional via a PCIe adapter SSD Cache Acceleration Support 2 (also support 10M) (2.5G/1G/100M) Wake on LAN (WOL) Yes Jumbo Frame Yes PCIe Slot 1 Slot 1: PCIe Gen 2 x2	System Memory	4 GB SO-DIMM DDR4 (1 x 4 GB)
Flash Memory 4GB (Dual boot OS protection) Drive Bay 4 x 3.5-inch SATA 6Gb/s, 3Gb/s Drive Compatibility 3.5-inch bays: 3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives Hot-swappable Yes M.2 SSD Slot Optional via a PCIe adapter SSD Cache Acceleration Support 2 (also support 10M) 2.5 Gigabit Ethernet Port (2.5G/1G/100M) Wake on LAN (WOL) Yes PCIe Slot 1 Slot 1: PCIe Gen 2 x2	Maximum Memory	8 GB (2 x 4GB)
Drive Bay 4 x 3.5-inch SATA 6Gb/s, 3Gb/s Drive Compatibility 3.5-inch bays: 3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives Hot-swappable Yes M.2 SSD Slot Optional via a PCIe adapter SSD Cache Acceleration Support 2.5 Gigabit Ethernet Port (2.5G/1G/100M) Wake on LAN (WOL) Yes PCIe Slot 1 Slot 1: PCIe Gen 2 x2	Memory Slot	2 x SO-DIMM DDR4
Drive Compatibility 3.5-inch bays: 3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives 2.5-inch SATA solid state drives Hot-swappable Yes M.2 SSD Slot Optional via a PCIe adapter SSD Cache Acceleration Support 2.5 Gigabit Ethernet Port (2.5G/1G/100M) Wake on LAN (WOL) Jumbo Frame Yes PCIe Slot 1 Slot 1: PCIe Gen 2 x2	Flash Memory	4GB (Dual boot OS protection)
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M.2 SSD Slot Optional via a PCIe adapter SSD Cache Acceleration Yes 2.5 Gigabit Ethernet Port (2.5G/1G/100M) Wake on LAN (WOL) Yes Jumbo Frame Yes PCIe Slot 1 Slot 1: PCIe Gen 2 x2	Drive Compatibility	3.5-inch SATA hard disk drives 2.5-inch SATA hard disk drives
SSD Cache Acceleration Support 2.5 Gigabit Ethernet Port (2.5G/1G/100M) Wake on LAN (WOL) Jumbo Frame Yes PCIe Slot 1 Slot 1: PCIe Gen 2 x2	Hot-swappable	Yes
2.5 Gigabit Ethernet Port (2.5G/1G/100M) Wake on LAN (WOL) Yes Jumbo Frame Yes PCIe Slot 1 Slot 1: PCIe Gen 2 x2	M.2 SSD Slot	Optional via a PCIe adapter
(2.5G/1G/100M) Wake on LAN (WOL) Yes Jumbo Frame Yes PCIe Slot 1 Slot 1: PCIe Gen 2 x2		Yes
Jumbo Frame Yes PCIe Slot 1 Slot 1: PCIe Gen 2 x2	_	2 (also support 10M)
PCIe Slot 1 Slot 1: PCIe Gen 2 x2	Wake on LAN (WOL)	Yes
Slot 1: PCIe Gen 2 x2	Jumbo Frame	Yes
USB 2.0 port 2	PCIe Slot	
	USB 2.0 port	2

USB 3.2 Gen 1 port	2
USB 3.2 Gen 2 (10Gbps) Port	Optional via a PCIe adapter
HDMI Output	1, HDMI 1.4b
Form Factor	1U Rackmount
LED Indicators	HDD 1-4, Status, LAN, Expansion, Power
Buttons	Power, Reset
Dimensions (HxWxD)	43.3 × 482.6 × 508.7 mm
Weight (Net)	8.12 kg
Weight (Gross)	10.1 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	250W (x2), 100-240V
Power Consumption: HDD Sleep Mode	30.207 W
Power Consumption: Operating Mode, Typical	45.3 W
Fan	2 x 40mm, 12VDC
Sound Level	37.5 db(A)
System Warning	Buzzer
Max. Number of Concurrent Connections (CIFS)	1500

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.

Designs and specifications are subject to change without notice.

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