

CPU	Quad-core Intel® Celeron® 2.0GHz (burst up to 2.42GHz)
Floating Point Unit	V
GPU	Intel® HD Graphics
Hardware-Acclerated Transcoding	V
Memory	<p>System memory:</p> <p>TS-451+-2G: 2GB DDR3L RAM (1 x 2GB)</p> <p>TS-451+-8G: 8GB DDR3L RAM (2 x 4GB)</p> <p>Total memory slots: 2 SODIMM</p> <p>Expandable up to: 8 GB</p> <p>NOTE:</p> <p>1. When installing two memory modules, please ensure that they are the same size and ideally use the same type of RAM for both memory slots.</p> <p>2. For the information of RAM module installation and compatible NAS models, please refer to the QNAP RAM Module Installation Guide</p>
Flash Memory	512MB
Drive	<p>4 x 2.5" or 3.5" SATA 6Gb/s, 3Gb/s HDD or SSD; hot swappable trays</p> <p>NOTE:</p> <p>For the HDD compatibility list, please visit https://www.qnap.com/compatibility</p>
Expansion Unit	Max. 1 (UX-800P, UX-500P)
Gigabit LAN Ports	2
USB	<p>2 x USB 3.0 (Front: 1, Rear: 1)</p> <p>2 x USB 2.0 (Rear)</p>
IR Receiver	Yes (QNAP RM-IR002 remote control)
HDMI	1
LED Indicators	Power/Status, LAN, USB, HDD1-4
Buttons	Power, Reset, USB Auto Copy
Alarm Buzzer	System warning
Form Factor	Tower
Dimensions (HxWxD)	<p>169 x 160 x 219 mm</p> <p>6.65 x 6.3 x 8.62 inch</p>
Weight (Net / Gross)	3 kg (6.61 lbs) / 4.3 kg (9.48 lbs)
System Fan	1 x 12cm, 12V DC
Kensington Security Slot	1
Power Supply	External Power Adapter, 90W, 100-240V
Power Consumption (W)	<p>S3 sleep: 0.57</p> <p>HDD standby: 15.78</p> <p>In operation (typical): 33.88</p>
Sound Level*	Sound pressure (LpAm) :16.9 dB(A)
Temperature	0 - 40 °C
Humidity	5–95% RH non-condensing, wet bulb: 27 °C