

# QNAP

Quad-core Rackmount NAS

# TS-453BU-RP & TS-431XU-RP

10GbE-ready NAS with comprehensive business applications

TS-453BU-RP

TS-431XU-RP

## TS-453BU-RP

- PCIe expansion to extend NAS functionality.
- M.2/SATA SSD caching for extreme IOPS.
- QRM+ for central management of networked devices.
- A hybrid approach to virtualization in one NAS: Virtualization Station and Container Station.



## TS-431XU-RP

- 10GbE readiness, SSD cache, and hardware-accelerated encryption engine.
- VJBOD for maximum storage efficiency.
- Containerized virtualization and IoT app development with Container Station.
- Centralized security storage, backup and sharing.



# Hardware Specifications

## TS-453BU-RP

## TS-431XU-RP



CPU	Quad-Core Intel® Celeron® J3455 1.5GHz (Burst up to 2.3GHz)	Quad-core AnnapurnaLabs Alpine AL-314 1.7 GHz
Memory (RAM)	TS-453BU-RP-4G : 4GB DDR3L RAM TS-453BU-RP-8G : 8GB DDR3L RAM	2GB DDR3
Flash	4GB eMMC	512MB
Number of RAM Slots	2 (Max 8GB)	2 (Max 16 GB; SO-DIMM)
Max. number of HDDs/SSDs	4 x 2.5"/3.5" SATA 6Gb/s	4 x 2.5" / 3.5" SATA 6Gb/s, 3Gb/s
Expansion Enclosure Support	1 x UX-800U-RP/UX-1200U-RP	2 (UX-1200U-RP, UX-800U-RP)
Gigabit LAN Ports	4	2
10GbE	V (Optional)	2 x SFP+
Expansion Slot (PCI-E)	1 x PCIe Gen.2 x 2	1 x PCIe Gen.2 x 2
USB 3.0	4	4
USB 3.1 10Gbps	V (Optional)	-
HDMI	1	-
Dimensions (HxWxD) mm	44 (H) x 439 (W) x 499 (D) mm	44 (H) x 439 (W) x 499 (D) mm
Weight (Net/ Gross)	8.16 kg (17.99 lbs.)/ 11.10 kg (24.47 lbs.)	9.12 kg (20.11 lbs)/ 11.10 kg (24.47 lbs)
Temperature	0 - 40 °C	0 - 40 °C
Power Supply Specification	ATX 250W (x2), Input: 100V-240V ~ / 5A-2.5A, 50Hz-60Hz	ATX 250W (x2), Input: 100V-240V ~ / 5A-2.5A, 50Hz-60Hz
Power Consumption (W)	In Operation: 46.3W / HDD Standby: 35.4W	In Operation: 51.16 / HDD Standby: 36.05

\* Products specifications and models are subject to change without notice.