

Article-No.: 121052

# TS-431XeU-2G

## Short-Depth Rackmount NAS with Quad-Core-CPU and 10 GbE SFP++Port

The powerful quad-core short depth TS-431XeU includes a 10 GbE SFP+ port to support 10 GbE high-speed networks at a price that maximizes ROI. The Short-Depth design is perfect for installing the TS-431XeU in a compact rack or in places with a lot of cabling. The TS-431XeU offers versatile all-in-one functionality and unique features, including VJBOD (Virtual JBOD) - an economical way to use unused NAS storage space to expand the storage capacity of other QNAP NAS - and Container Station - allowing users to quickly develop and deploy Internet of Things (IoT) apps. The TS-431XeU is a cost-effective storage solution for growing enterprises looking for backup, recovery, private cloud, virtualization storage and future-proofing their IT infrastructure for 10 GbE networks.

### Technical data

maker	QNAP®
predicament	SMB - Entry-level
CPU	AnnapurnaLabs Alpine AL314 32-bit ARM® Cortex-A15 quad-core 1.7GHz processor
CPU Architecture	32-Bit ARM
Encryption Engine	AES 256-bit
System Memory	2 GB SO-DIMM DDR3 (1 x 2 GB)
Maximum Memory	8 GB SO-DIMM DDR3 (1 x 8 GB)
Memory Slot	1 x SO-DIMM DDR3
Flash Memory	512 MB (Dual boot OS protection)
Drive Bay	4 x 3,5inch SATA 6Gb/s, 3Gb/s
Drive Compatibility	3,5-Zoll SATA hard disk drives 2,5-Zoll SATA hard disk drives 2,5-Zoll SATA solid state drives
Hard disk selection criteria	<a href="https://www.qnap.com/compatibility/">https://www.qnap.com/compatibility/</a>
hard disk	No hard disk included in the package contents. Optional hard disk installation with test routines.
total capacity	0 TB
Hot-swappable	yes
SSD Cache Acceleration Support	yes
Gigabit Ethernet Port (RJ45)	2
10 Gigabit Ethernet Port	1 x 10GbE SFP+
Jumbo Frame	yes
USB 3.2 Gen 1 port	4
Form Factor	1 HE-Rackmount
LED Indicators	HDD 1-4, Status, USB, LAN 1-3
Buttons	Power, Reset
Dimensions (HxWxD)	44 × 439 × 291 mm
Weight	Net: 4.15 kg Gross: 5.78 kg
Operating temperature	0 ~ 40 °C (32°F ~ 104°F)
Relative Humidity	5-95% RH non-condensing, wet bulb: 27C (80.6F)



### Highlights

- competent service hotline
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- incl. pre-replacement of hard disks when purchasing with hard disks!

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Power Supply Unit	100 Watt, internal input: 100-240V AC /50-60Hz
Power Consumption: HDD Sleep Mode	12,4 W
Power Consumption: Operating Mode, Typical	31,0 W
Fan	3x 4 cm (12V DC)
Sound Level	20,3 dB(A)
Kensington Security Slot	yes
RAID Recovery	yes
Online RAID Capacity Expansion	yes
Online RAID Level Migration	yes
RAID 10	yes
RAID 6	yes
RAID 5+ Spare	yes
RAID 5	yes
RAID 1	yes
RAID 0	yes
JBOD	yes
Global Hot Spare	yes
SSD-Caching	yes
Container Station	yes
Max Number of Cameras (Surveillance)	Default: 2, Max.: 30 (optional license purchase)
Warranty	3 years Bring-In
restitution	For crediting within 4 weeks after invoice date (only for original packed and unopened goods)
online service	<a href="https://service.qnap.com/de-de">https://service.qnap.com/de-de</a>
grade	EXTRA Computer has a quality management system which is certified according to DIN ISO 9001
package content	Ethernet Cable, Quick Installation Guide, HDD screws, power cord, 2x Hanger, 2x Holder

