

Article-No.: 129374

# TS-431KX-2G

Budget-friendly quad-core 1.7GHz 10GbE SFP+ NAS for SMB and startup offices with fast network storage

The TS-431KX quad-core provides four drive bays for high-capacity memory and memory expansion up to 8GB RAM. With the built-in 10GbE SFP+ port, the TS-431KX delivers the high bandwidth required for intensive data transfer. In conjunction with the QNAP 10GbE switch, you can build a super-fast 10GbE network environment with a low budget. The TS-431KX provides comprehensive local, remote and cloud backup and supports snapshot technology to help you create a reliable backup and disaster recovery plan. In case of system crash or accidental file deletion, you can quickly restore the system to normal state. The TS-431KX comes with lockable drive bays to ensure that the drives are not accidentally removed or fall out causing data loss.

## Technical data

<b>maker</b>	QNAP®
<b>predicament</b>	SMB - Entry-level
<b>CPU</b>	AnnapurnaLabs, an Amazon company Alpine AL214, 4-core, 1.7GHz
<b>CPU Architecture</b>	32-Bit ARM
<b>Encryption Engine</b>	AES 256-bit
<b>System Memory</b>	2 GB SO-DIMM DDR3 (1 x 2 GB)
<b>Maximum Memory</b>	8 GB SO-DIMM DDR3 (1 x 8 GB)
<b>Memory Slot</b>	1 x SO-DIMM DDR3
<b>Flash Memory</b>	512 MB (Dual boot OS protection)
<b>Drive Bay</b>	4 x 3,5inch SATA 6Gb/s, 3Gb/s
<b>Drive Compatibility</b>	3,5-Zoll SATA hard disk drives 2,5-Zoll SATA hard disk drives 2,5-Zoll SATA solid state drives
<b>Hard disk selection criteria</b>	<a href="https://www.qnap.com/compatibility/">https://www.qnap.com/compatibility/</a>
<b>hard disk</b>	No hard disk included in the package contents. Optional hard disk installation with test routines.
<b>total capacity</b>	0 TB
<b>Hot-swappable</b>	yes
<b>SSD Cache Acceleration Support</b>	yes
<b>Gigabit Ethernet Port (RJ45)</b>	2
<b>10 Gigabit Ethernet Port</b>	1 x 10GbE SFP+
<b>Jumbo Frame</b>	yes
<b>USB 3.2 Gen 1 port</b>	3
<b>Form Factor</b>	control tower
<b>LED Indicators</b>	HDD 1-4, Status, USB, LAN
<b>Buttons</b>	Power, Reset, USB copy
<b>Dimensions (HxWxD)</b>	169 x 160 x 219 mm
<b>Weight</b>	Net: 2.01 kg Gross: 3.50 kg
<b>Operating temperature</b>	0 ~ 40 °C (32°F ~ 104°F)
<b>Relative Humidity</b>	5-95% RH non-condensing, wet bulb: 27C (80.6F)



## Highlights

- competent service hotline
- incl. hard disk exchange in advance when purchasing with hard disks!

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Power Supply Unit	90 Watt, external input: 100-240V AC
Power Consumption: HDD Sleep Mode	11,7 W
Power Consumption: Operating Mode, Typical	26,7 W
Fan	1x 12 cm (12V DC)
Sound Level	19.50 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.: 16 (optional license purchase)
Warranty	2 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	2x Ethernet cable, Quick Installation Guide, screws, power cable, power supply, 2x key

