

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

|                                |                                                                                                       |
|--------------------------------|-------------------------------------------------------------------------------------------------------|
| NAS                            |                                                                                                       |
| maker                          | QNAP®                                                                                                 |
| predicament                    | SMB - Entry-level                                                                                     |
| System Specification           |                                                                                                       |
| CPU                            | AnnappurnaLabs 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<br>2,5-Zoll SATA hard disk drives<br>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.<br>Optional hard disk installation with test routines. |
| total capacity                 | 0 TB                                                                                                  |
| Hot-swappable                  | yes                                                                                                   |
| SSD Cache Acceleration Support | yes                                                                                                   |
| Connections                    |                                                                                                       |
| Gigabit Ethernet Port (RJ45)   | 2                                                                                                     |
| 10 Gigabit Ethernet Port       | 1 x 10GbE SFP+                                                                                        |
| Jumbo Frame                    | yes                                                                                                   |
| USB 3.2 Gen 1 port             | 4                                                                                                     |
| Appearance                     |                                                                                                       |
| Form Factor                    | 1 HE-Rackmount                                                                                        |
| LED Indicators                 | HDD 1-4, Status, USB, LAN 1-3                                                                         |



## Highlights

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

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|                                            |                                                                                               |
|--------------------------------------------|-----------------------------------------------------------------------------------------------|
| Buttons                                    | Power, Reset                                                                                  |
| Dimensions (HxWxD)                         | 44 × 439 × 291 mm                                                                             |
| Weight                                     | Net: 4.15 kg<br>Gross: 5.78 kg                                                                |
| Others                                     |                                                                                               |
| Operating temperature                      | 0 ~ 40 °C (32°F ~ 104°F)                                                                      |
| Relative Humidity                          | 5-95% RH non-condensing, wet bulb: 27C (80.6F)                                                |
| 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                                                                                           |
| Storage Management                         |                                                                                               |
| 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                                                                                           |
| Virtualization                             |                                                                                               |
| Container Station                          | yes                                                                                           |
| Surveillance                               |                                                                                               |
| Max Number of Cameras (Surveillance)       | Default: 2, Max.: 30 (optional license purchase)                                              |
| Service                                    |                                                                                               |
| 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        |



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|                 |                                                                                        |
|-----------------|----------------------------------------------------------------------------------------|
|                 | 9001                                                                                   |
| package content |                                                                                        |
| package content | Ethernet Cable, Quick Installation Guide, HDD screws, power cord, 2x Hanger, 2x Holder |