

# QNAP TS-431X3 - NAS server



14-05-2024

|                                  |                                                               |
|----------------------------------|---------------------------------------------------------------|
| SKU                              | TS-431X3-4G                                                   |
| Product Description:             | QNAP TS-431X3 - NAS server                                    |
| Device Type:                     | NAS server                                                    |
| Host Connectivity:               | Gigabit Ethernet / 2.5 Gigabit Ethernet / 10 Gigabit Ethernet |
| Installed Devices / Modules Qty: | 0 (installed) / 4 (max)                                       |
| Dimensions (WxDxH):              | 16 cm x 21.9 cm x 16.9 cm                                     |
| Weight:                          | 2.01 kg ( )                                                   |
| Processor:                       | 1 x Annapurna Labs Alpine AL-314 1.7 GHz (Quad-Core)          |

## General

|                                  |                                                               |
|----------------------------------|---------------------------------------------------------------|
| Device Type:                     | NAS server                                                    |
| Host Connectivity:               | Gigabit Ethernet / 2.5 Gigabit Ethernet / 10 Gigabit Ethernet |
| Total Storage Capacity:          | 0 GB                                                          |
| Installed Devices / Modules Qty: | 0 (installed) / 4 (max)                                       |
| Width:                           | 16 cm                                                         |
| Depth:                           | 21.9 cm                                                       |
| Height:                          | 16.9 cm                                                       |
| Weight:                          | 2.01 kg ( )                                                   |
| Built-in Devices:                | Led panel                                                     |

## Processor / Memory

|                         |                                            |
|-------------------------|--------------------------------------------|
| Processors Installed:   | 1 x Annapurna Labs Alpine AL-314 1.7 GHz   |
| Number of Cores:        | Quad-Core                                  |
| Max Supported Qty:      | 1                                          |
| RAM:                    | 4 GB (installed) / 8 GB (supported) - DDR3 |
| Flash Memory Installed: | 512 MB                                     |

## Storage Controller

|       |      |
|-------|------|
| Type: | RAID |
|-------|------|

## Environmental Parameters

|                            |                          |
|----------------------------|--------------------------|
| Min Operating Temperature: | 0 °C                     |
| Max Operating Temperature: | 40 °C                    |
| Humidity Range Operating:  | 5 - 95% (non-condensing) |

## Dimensions & Weight (Shipping)

|                  |         |
|------------------|---------|
| Shipping Weight: | 3.47 kg |
|------------------|---------|

## Software / System Requirements

|                           |                                                                                                                                                                                                                                                                                                                  |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage Operating System: | QNAP QTS 4.4.2                                                                                                                                                                                                                                                                                                   |
| OS Required:              | UNIX, Microsoft Windows Server 2008 R2, IBM AIX 7, Oracle Solaris 10, Microsoft Windows Server 2012, Microsoft Windows Server 2012 R2, Ubuntu 14.04, Red Hat Enterprise Linux 6.6, Microsoft Windows 7 / 8 / 10, Apple MacOS X 10.10 or later, CentOS 7.0, Microsoft Windows Server 2019, SuSE Linux 12 or later |

## Power

|                   |                        |
|-------------------|------------------------|
| Power Device:     | External power adapter |
| Voltage Required: | AC 120/230 V           |
| Power Provided:   | 90 Watt                |

## Storage Controller

|                 |                                                                                                      |
|-----------------|------------------------------------------------------------------------------------------------------|
| Interface Type: | SATA 6Gb/s                                                                                           |
| RAID Level:     | RAID 0, RAID 1, RAID 5, RAID 6, RAID 10, JBOD, RAID 5 hot spare, RAID 6 hot spare, RAID 10 hot spare |

## Miscellaneous

|                       |                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------|
| Cables Included:      | 1 x network cable                                                                                          |
| Features:             | Security lock slot (cable lock sold separately), audible alarm, built-in cooling fan, hardware encryption  |
| Security Slot Type:   | Kensington security slot                                                                                   |
| Compliant Standards:  | AES-256                                                                                                    |
| Included Accessories: | 2 x hard drive security key, flat head screws (for 2.5" HDD), flat head screws (for 3.5" HDD), power cable |

## Expansion / Connectivity

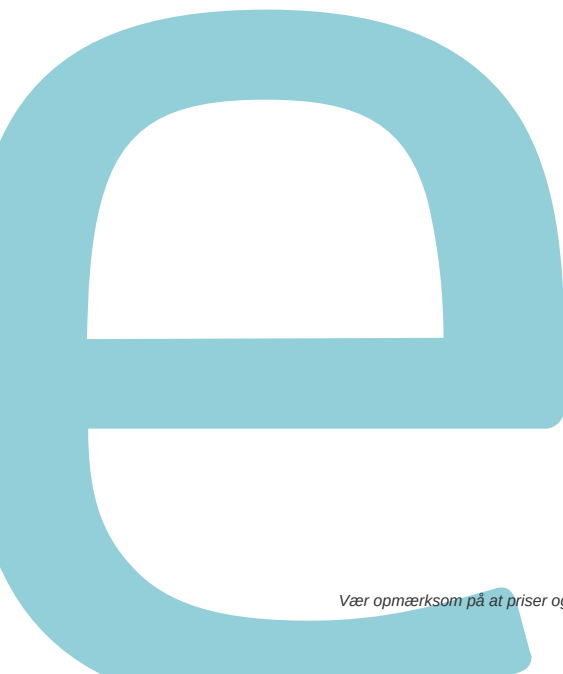
|                 |                                                                                                                            |
|-----------------|----------------------------------------------------------------------------------------------------------------------------|
| Expansion Bays: | 4 (total) / 4 (free) x hot-swap - 2.5" / 3.5"                                                                              |
| Interfaces:     | 1 x Ethernet 1000Base-T - RJ-45   3 x USB 3.2 Gen 1 - Type A   1 x Ethernet 10Gb - SFP+   1 x 2.5 Gigabit Ethernet - RJ-45 |

## Security DVR

|                       |      |
|-----------------------|------|
| IP Cameras Supported: | 5000 |
|-----------------------|------|

## Networking

|                                 |                                                                                                                                                                                                                                                                                    |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Data Link Protocol:             | 10Mb LAN, 100Mb LAN, 1GbE, 10GbE, 2.5GbE                                                                                                                                                                                                                                           |
| Network / Transport Protocol:   | TCP/IP, PPTP, L2TP, IPSec, iSCSI, SMTP, FTP, DHCP, SMB, DDNS                                                                                                                                                                                                                       |
| Remote Management Protocol:     | SNMP 2, Telnet, SNMP 3, HTTP, HTTPS, SSH                                                                                                                                                                                                                                           |
| Network Services Compatibility: | Microsoft Active Directory (AD), Apple Bonjour Protocol, File Level Security (ACLs), DDNS, Microsoft CIFS, Network File System (NFS), FTP, FTPS, Server Message Block (SMB), Apple File Protocol (AFP), HTTP, HTTPS, Web-based Distributed Authoring and Versioning (WebDAV), SFTP |



## Networking

**Features:** VPN support, LDAP support, wake on LAN (WOL), Syslog support, print server, IPv6 support, proxy server, backup server, Trivial File Transfer Protocol (TFTP) support, iTunes server, Jumbo Frames support, DHCP server, FTP server, SMS alert, UPnP Media Server, IPv4 support, surveillance station, DLNA Media Server, Apple Time Machine compatible, DHCP client, cloud backup, VPN Server, Apple AirPlay

|                              |                       |
|------------------------------|-----------------------|
| <b>Encryption Algorithm:</b> | SSL, TLS, 256-bit AES |
|------------------------------|-----------------------|

|                             |                      |
|-----------------------------|----------------------|
| <b>Compliant Standards:</b> | DLNA CERTIFIED, UPnP |
|-----------------------------|----------------------|

