# TerraMaster F8-421

## 8-Bay NAS for Small/medium Business

TerraMaster F8-421

Intel quad-core

410MB/S

Transfer Speed

6-layer data security protection

A Wealth of Business Applications

# Hardware

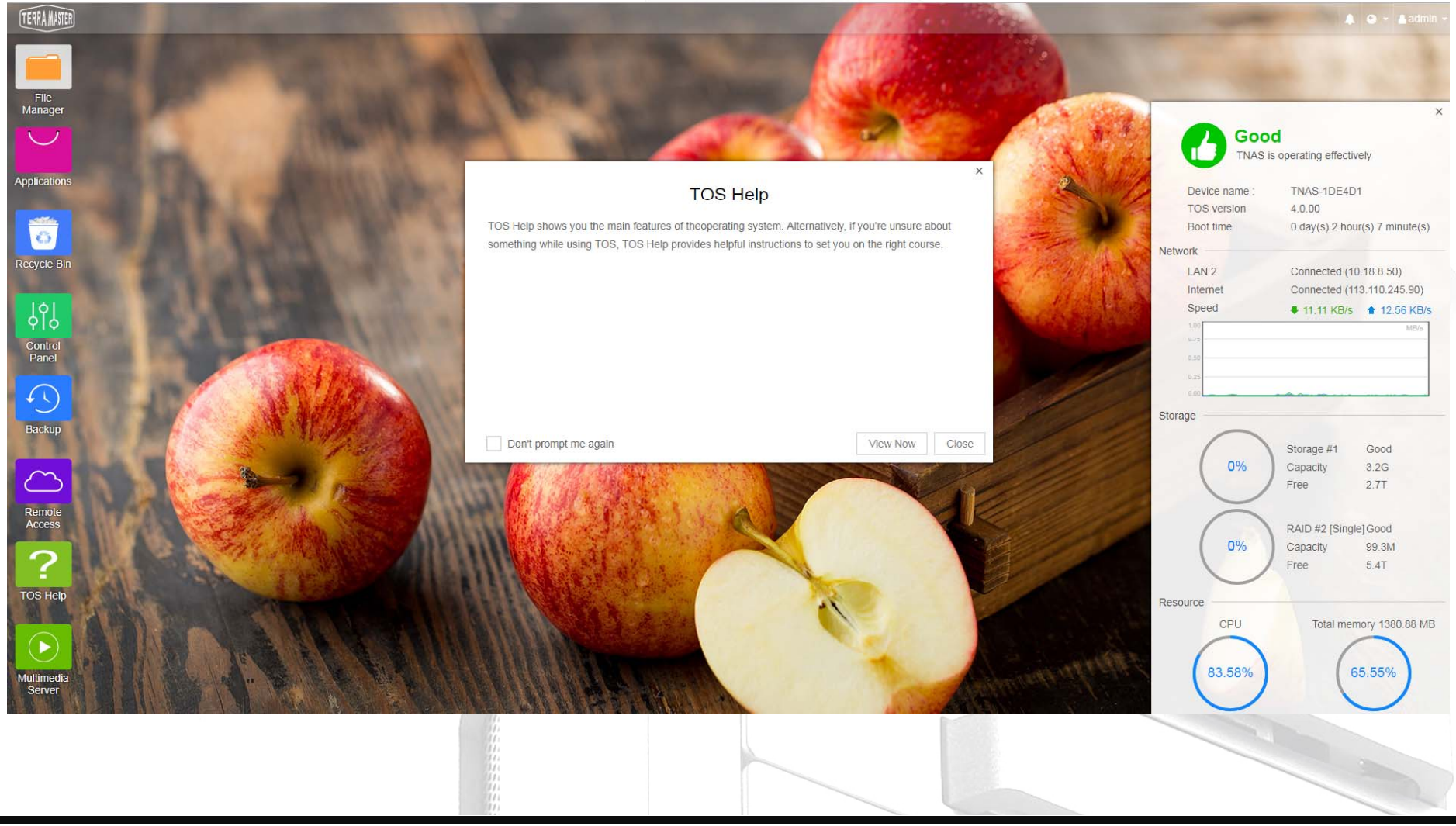
| Model No. | TerraMaster F8-421 |
|---|---|
| **Enclosure** | Aluminum Alloy |
| **CPU** | Intel® Celeron® J3455 Quad Core, 1.5GHz |
| **Processor architecture** | 64 -bit |
| **RAM** | 8GB |
| **Storage capacity** | 8 x 14TB |
| **Hot Swap** | Support |
| **AES encryption** | Support |
| **Ethernet port** | 2 x RJ-45 1GbE, 2 x USB 3.0 |
| **Compatible disk types** | 3.5“/2.5“SATA HDD  2.5" SATA SSD |

# Software

| | |
|---|---|
| **Operating System** | TerraMaster TOS 4.0 |
| **Remote Access** | tnas.online |
| **Btrfsfile System** | √ |
| **Snapshot** | √ |
| **4K Video Transcoding** | √ |
| **Docker** | √ |
| **Plex Media Server** | √ |
| **Mail Server** | √ |
| **Media Server** | √ |
| **File Server** | √ |
| **Web Server** | √ |
| **FTP Server** | √ |
| **SVN Server** | √ |
| **Emby server** | √ |
| **MySQL Server** | √ |
| **Rsync Remote Server** | √ |
| **Dropbox** | √ |
| **ElephantDrive** | √ |
| **rclone** | √ |
| **Transmission** | √ |
| **Clam AntiVirus** | √ |
| **iSCSI** | √ |
| **Google Drive** | X（Developing） |
| **VPN** | X（Developing） |
| **Surveillance Station** | X（Developing） |

# Friendly OS Interface

## TerraMaster TOS Interface

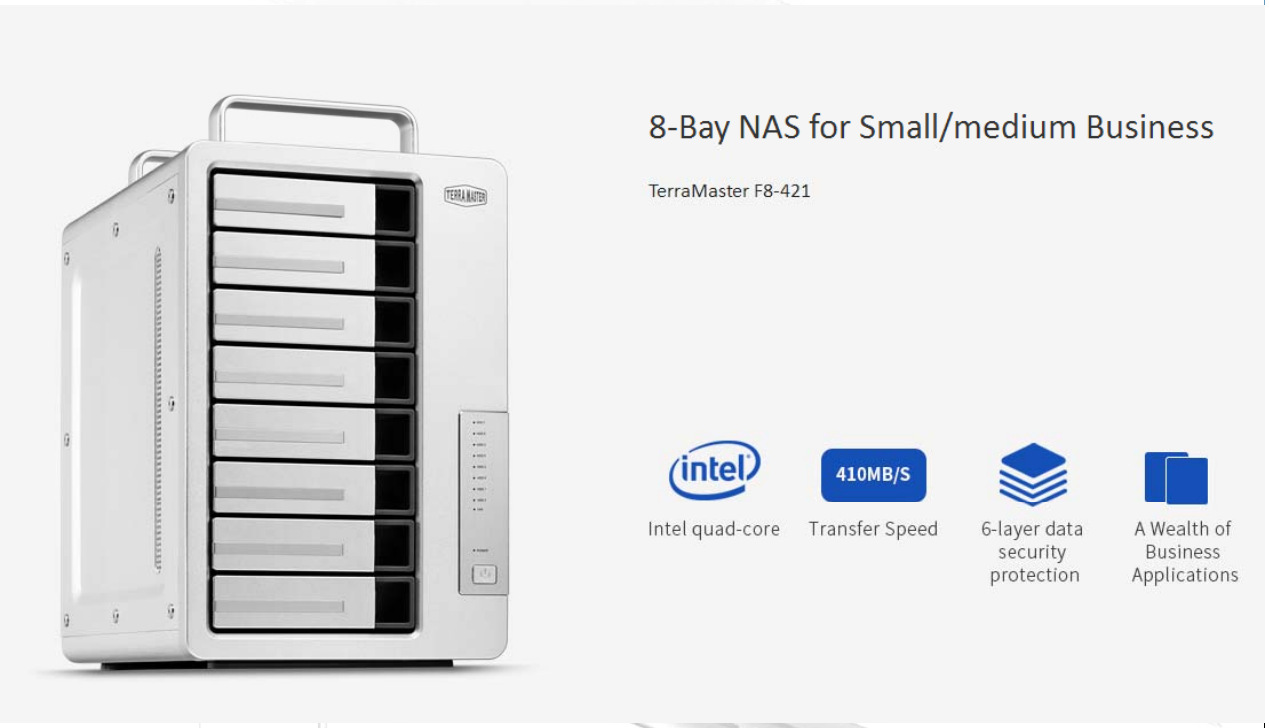


# F8-421 Features Introduction 01

## Powerful Configuration, Excellent Performance

TerraMaster’ s F8-421 5-bay NAS unit comes with an Intel Apollo J3455 quad-core processor, a frequency of up to 1.5 GHz, a read speed reaching 410MB/s, and a write speed reaching up to 405MB/s.

These devices are compatible with both AES hardware encryption and 4K HD video transcoding, making the F8-421 an ideal candidate for home multimedia entertainment and small&medium business applications.



## Enhance the Safety of your Data with a Next-Generation File System

Superior storage technology and optimised snapshot technology are the cornerstones of the Btrfs file system, which is what TerraMaster’ s F8-421 8-bay NAS unit relies on for advanced data protection, prevention of data corruption, and minimal maintenance expenses. Use of this file system promotes high data integrity, all the while promoting flexibility and efficiency in the areas of data protection and data recovery.

Optimised snapshot technology generates 512 snapshots for every shared folder, and up to 8,192 overall system snapshots. In this way, users can benefit from flexible, storage-saving data protection. Since data recovery takes place at the file or folder level, businesses can also benefit from enhanced flexibility and efficient data recovery.

## 4K Multimedia Server

## 4K Ultra HD video transcoding

The F8-421's live hardware transcoding of up to two concurrent H.264 4K video transcoding provides hassle-free and high-quality video playback among various devices including high-definition TVs, digital media players, mobile handsets, and computers in the required format, making it easy to watch your entire multimedia library without having to install a 3rd party player.

6-layer
data security protection

## 6-layer data security protection

Automatic scheduled backup

File system cluster

Btrfs file system and snapshots

T-RAID array security protection

AES encryption and transport encryption

Cloud data backup

## A Private Space in the Cloud

TNAS offers users the opportunity to establish a personal cloud drive that satisfies their remote access needs.

Rights of access can be tailored for your colleagues, relatives, or friends, and with support for two-way sync cloud drive, enjoying the benefits of convenient cloud life has never been easier.

## Hardware transcoding

PLEX supports 4K H.264 online Hardware transcoding, allowing 4K videos to be converted and played on the fly on other smart TV, smartphones, and media players that originally do not support Ultra HD formats.

The Plex Media Server keeps all your photos, videos and music beautifully organized and prepared for streaming to your PC, mobile device, game console, or other certified media player.

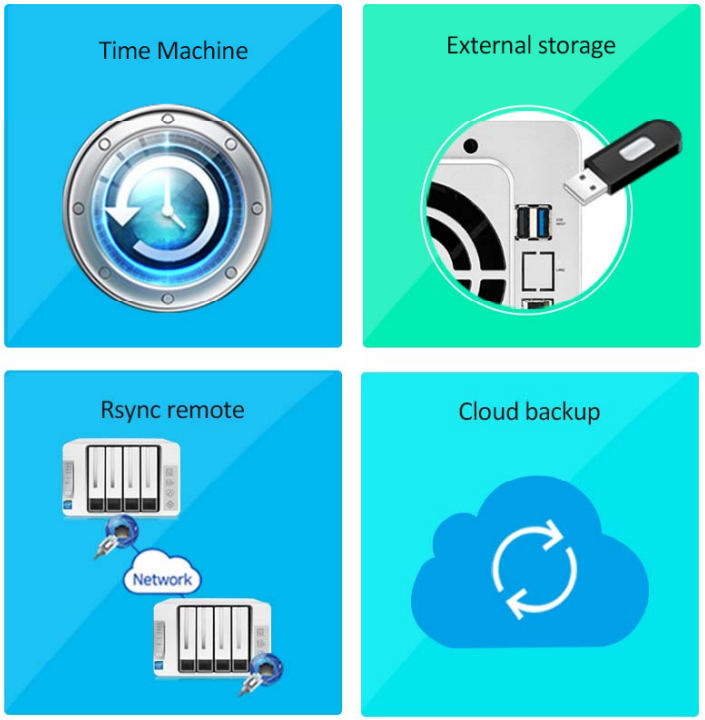
Enrich your media with plot summaries, posters, album covers and enjoy it from home or on the go

## Enjoy thousands of containers on Docker

Users can capitalise on Docker, a lightweight software containerisation solution, to operate numerous TOS-based containers.

These containers have been developed by leading practitioners in the international community, all of whom have benefitted from the advanced technology. With Docker Hub, a wide-ranging built-in image repository, users can access shared applications from other developers in the community.

Multiple Backup Options




## A Variety of Backup Methods

Supports Apple Time Machine, Rsync, and Remote Backup support.

Supports third-party backup solutions, Cloud Sync Dropbox synchronization.

Superspeed USB3.0 interface supports external storage backup. EXT4, EXT3, FAT, NTFS, HFS+, exFAT are all supported.

## A Wealth of Business Applications

TOS's enterprise version is compatible with numerous business applications.

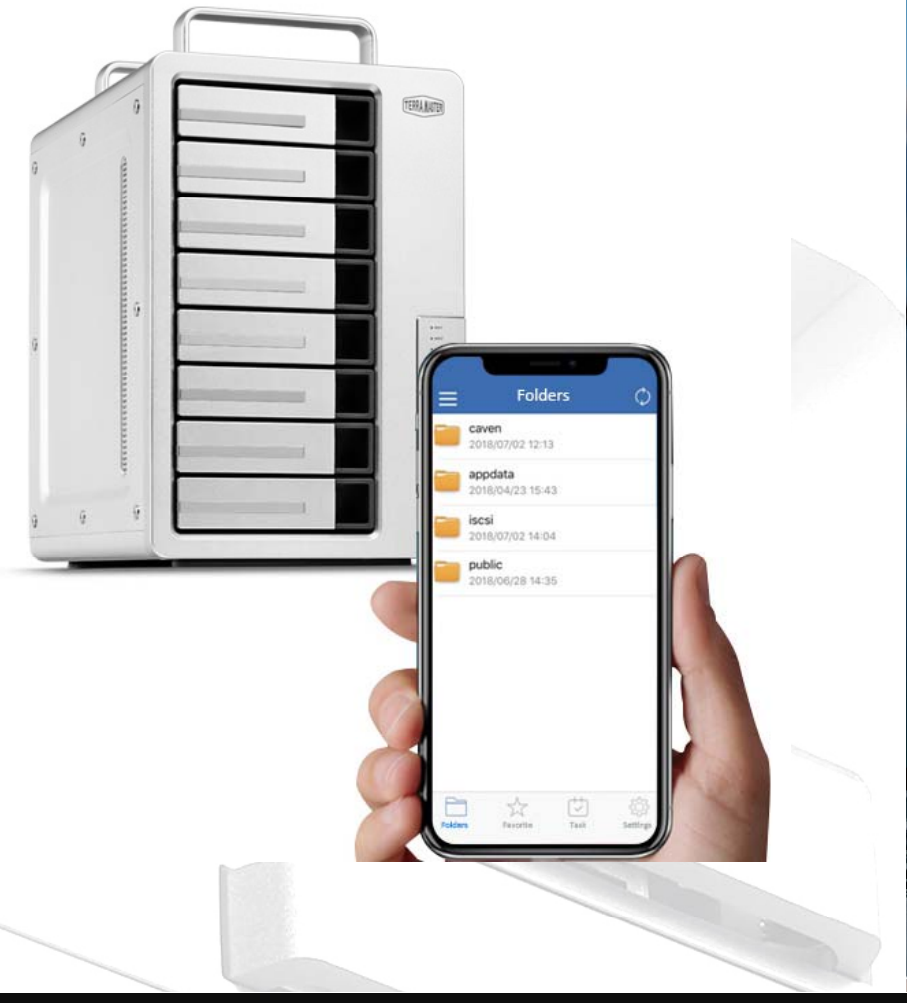
Operating a single TNAS device offers significant benefits when compared to the use of multiple devices, including file servers, mail servers, web servers, VPN servers, DHCP servers, DNS servers, Rsync remote servers, FTP servers, and MySQL servers.

## A Variety of Backup Methods

Set up your NAS directly via the TNAS mobile App to experience great convenience.

Remote access to files via the TerraMaster F8-421 eliminates the need to set up complex network settings.

TNAS allows you to connect through simple, customizable addresses so that you can instantly access media and work files on any Windows/Mac/Linux computer, laptop or mobile device at no extra charge. Even on the go, you can enjoy multimedia files.



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