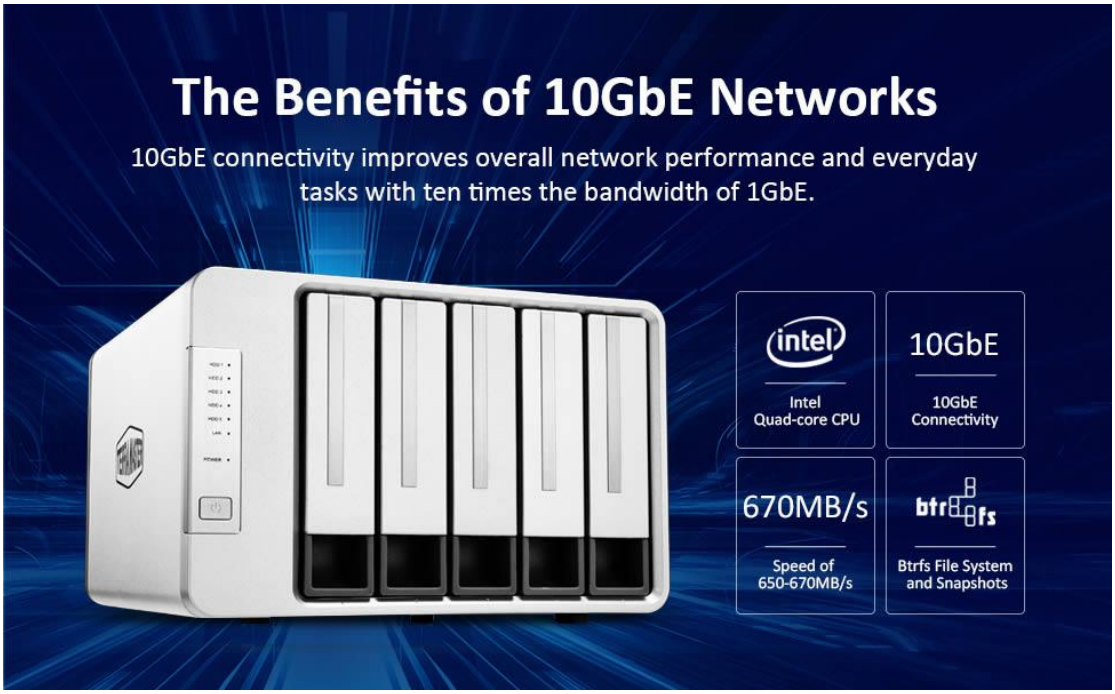
Sells Point:

TerraMaster F5-422 10GbE NAS 5-Bay Network Storage Server Intel Quad-core CPU with Hardware Encryption (Diskless)

- POWERFUL HARDWARE: Intel Apollo Quad-core 1.5GHz CPU, 4GB of RAM (expandable up to 8GB).
- 1x10GbE RJ45 port, blazingly fast speed of 670MB/s reading and 650MB/s writing. Dual 1GbE LAN with failover and Link Aggregation support.
- AES hardware encryption engine encrypts shared folders and network data transmission to keep data from unauthorized access.
- Advanced Btrfs file system offering 71,680 system-wide snapshots and 1,024 snapshots per shared folder.
- Real-time hardware transcoding of up to two concurrent H.265/H.264 4K video streaming.
- Features an aluminum-alloy shell and intelligent temperature control ultra-quiet fan, good in heat dissipation. Support Seagate IHM. Seagate IronWolf NAS HDD/SSD are recommended. Maximum Internal Raw Capacity: 80 TB (16 TB drive x 5)..Warranty: 24 Months.

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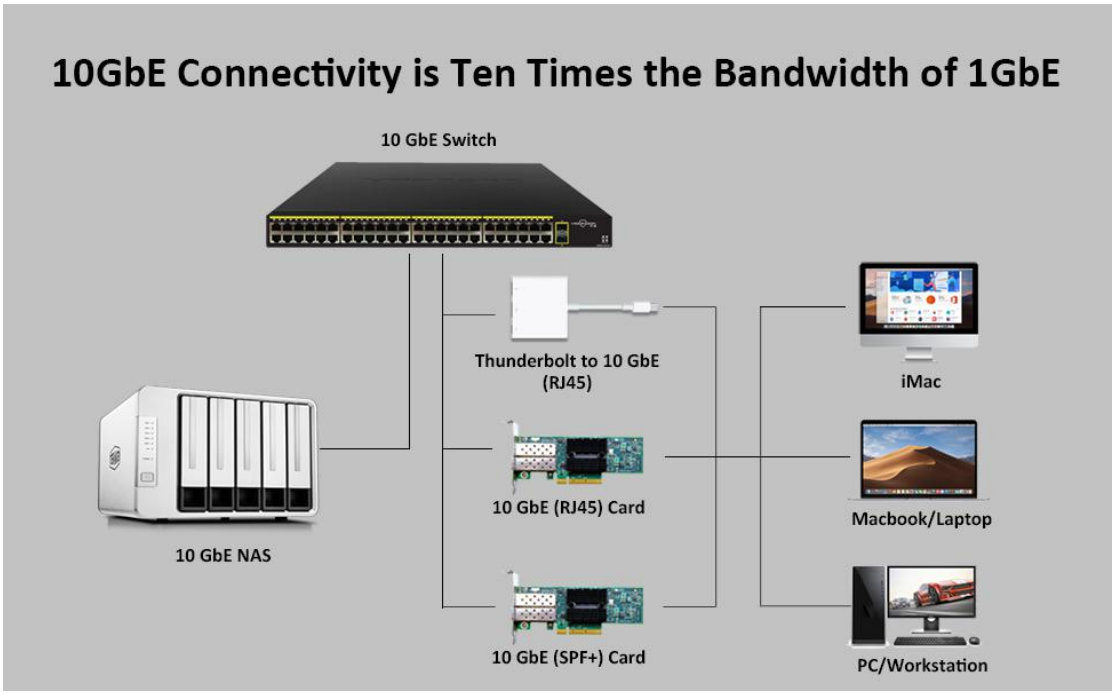
High-speed 10GbE 5-Bay Professional NAS

- TerraMaster's F5-422 5-bay 10GBASE-T NAS unit comes with an Intel Apollo J3455 quad-core processor, a frequency of up to 1.5 GHz, a read speed reaching 670MB/s, and a write speed reaching up to 650MB/s.
- These devices are compatible with both AES hardware encryption and 4K HD video transcoding, making the F5-422 an ideal candidate for home multimedia entertainment and small office 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 F5-422 5-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 1,024 snapshots for every shared folder, and up to 71,680 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.

- **Intel Apollo J3455 quad-core 1.5 GHz CPU**
- **1 x10GbE RJ45 port. Dual 1GbE LAN with failover and Link Aggregation support.**
- **4GB DDR3 memory (expandable up to 8GB)**
- **Two USB 3.0 ports**



The Benefits of 10GbE Networks

The product can be well downward compatible with various network environments including the 5-speed 10GBASE-T, RJ45 connector in 10G/5G/2.5G/1G/100M, which means the bandwidth can be flexibly expanded according to the scale of office and business as well as the number of users.

10GbE connectivity is ten times the bandwidth of 1GbE

10GbE connectivity improves overall network performance and everyday tasks with ten times the bandwidth of 1GbE.
10GbE connectivity is no-longer just for high-end corporate networks and data centers. Thanks to TerraMaster's affordable this 10GbE solution, small businesses and home users alike can upgrade their network environment to take advantage of the many benefits of 10GbE networks.



Multiple Layers of Data Security

The F5-522 device relies on the following six data security layers to protect your data:

Automatic scheduled backup

Btrfs file system and snapshot

Multi RAID array security

AES hardware folder encryption and network transport encryption

Cloud drive data backup

File system Cluster



4K Ultra HD video transcoding

The F5-422's live hardware transcoding of up to two concurrent H.265/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.



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.



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

- 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. All kinds of drive formats including but not limited to EXT4, EXT3, FAT, NTFS, HFS+ are supported.



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.

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