

TERRAMASTER F6-424 NAS File Server with Intel Celeron N95, 8 GB RAM, 6 bays



Model: F6-424

Manufacturer: TERRAMASTER

EAN: 6939236145671

Product Code: 891183

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TERRAMASTER F6-424 NAS File Server with Intel Celeron N95, 8 GB RAM, and 6 drive bays

The TerraMaster F6-424 is an advanced NAS file server equipped with 6 drive bays for HDDs or SSDs, a quad-core Intel N95 processor clocked at up to 3.4 GHz, and 8 GB of DDR5 4800 MHz memory. The device offers two 2.5 GbE network ports, two M.2 NVMe slots for SSD caching, and support for up to 132 TB of storage capacity. With AES hardware encryption, support for virtualization, extensive backup features, and 4K decoding, the F6-424 model works well as a central data storage system, a business application server, and a high-performance multimedia center.

High Performance for Everyday Use

The product information provided is for reference purposes only. Technical specifications, photos, descriptions and prices may change without prior notice. The manufacturer and seller are not responsible for possible data discrepancies or typographical errors. We recommend checking the current information before purchasing.

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At the heart of the device is an energy-efficient Intel N95 processor with four cores and four threads, supported by modern DDR5 memory. Compared to the previous generation, the server offers over 140% higher computing performance, 90% faster application loading, 40% faster file and photo indexing, and 50% more efficient database operation. The response speed of the PHP web interface has also been improved by 60%, resulting in a more comfortable administrative experience. These specifications enable smooth handling of multiple users simultaneously and the execution of demanding business tasks.

Fast Network Communication and SSD Cache

Two 2.5 Gigabit Ethernet ports provide high bandwidth when working with large files and multiple users. Thanks to the Link Aggregation feature, it is possible to combine both interfaces and achieve network bandwidth of up to 5 Gb/s. In practice, this means faster access to documents, graphic designs, video files, and databases. Additionally, two M.2 NVMe slots allow SSDs to be used as cache, which significantly speeds up read and write operations for frequently accessed data.

Flexible storage and advanced RAID arrays

The F6-424 model supports a wide range of RAID configurations, including RAID 0, RAID 1, RAID 5, RAID 6, RAID 10, JBOD, Single, and proprietary TRAIID and TRAIID+ technologies. These solutions make it easy to expand data storage capacity without having to rebuild the entire array. Users can create multiple volumes, use Btrfs or EXT4 file systems, and expand storage capacity as the business grows. Support for SSD caching, hot spare functionality, and hot-swappable drives further enhances data security and availability.

Comprehensive Backup and Data Protection Tools

The TOS system is equipped with a comprehensive set of features to protect data against loss. Centralized Backup enables you to back up computers, servers, and virtual machines, while Duple Backup allows you to create remote copies on other TNAS devices, file servers, or in the cloud. The Snapshot feature, which utilizes the Btrfs file system, enables instant restoration of data to a previous state following a failure or user error. Additionally, CloudSync synchronizes files with popular cloud services, creating an extra layer of protection for your most critical resources.

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Media Server and Platform for Business Applications

Thanks to hardware decoding of 4K video in H.264, H.265, MPEG-4, and VC-1, the device is ideal as a multimedia center. Support for Plex Media Server, Emby, DLNA, and Multimedia Server enables convenient streaming of movies, music, and photos to TVs, computers, and mobile devices. The server also supports Docker, VirtualBox, iSCSI, and many business services, such as a web server, FTP, MySQL databases, and Node.js and Java environments. This allows a single device to serve as a central platform for many corporate services.

Instant Drive Installation and Business-Class Security

The TerraMaster F6-424 is designed for convenient operation and quick maintenance. The tool-free drive bays are equipped with a Push-Lock system that automatically locks the drive in place when inserted, minimizing the risk of accidental ejection or disconnection. Installing or replacing a drive takes less than 10 seconds and requires no tools. The manufacturer has also included a special sliding side cover, making the installation of M.2 NVMe drives exceptionally fast and convenient. The package is complemented by advanced security features, such as AES-256 encryption, a firewall, automatic account locking, PAM and OTP authentication, and protection against network attacks.

Included

- TerraMaster F6-424 NAS server
- AC power adapter
- Power cord
- RJ-45 network cable
- Quick start guide
- Warranty information
- Set of mounting screws

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Graphics	Intel UHD Graphics
RAM	8 GB DDR5 4800 MHz non-ECC SODIMM
Maximum RAM	32 GB DDR5
Number of bays	6 × SATA 3.5"/2.5" HDD/SSD
Maximum capacity	132 TB (6 × 22 TB)
M.2 slots	2 × M.2 2280 NVMe (SSD Cache)
Supported RAID modes	TRAIID, TRAIID+, Single, JBOD, RAID 0, 1, 5, 6, 10
Network ports	2 × RJ-45 2.5 GbE
USB ports	1 × USB-A 3.2 10 Gb/s, 1 × USB-C 3.2 10 Gb/s
HDMI	1
File system	Btrfs, EXT4
Supported Protocols	SMB, AFP, NFS, FTP, SFTP, WebDAV
Video Decoding	4K UHD up to 60 fps
Dimensions	222 × 240 × 154 mm
Weight	2.7 kg
Noise level	22 dB(A)
Power supply	150 W
Operating system	TerraMaster TOS

GPSR Link: https://psr-assets.innpro.pl/it_accessories/sg_it_accessories_network_devices.pdf, Gross weight: 4200, Net weight: 2700, Box length: 34,20, Box width: 28,10, Box height: 18,80, PPWR: <https://ppwr.innpro.pl/terramaster>