

TERRAMASTER F4 SSD NAS File Server with Intel N95, 8GB RAM, 4 bays



Model: F4 SSD

Manufacturer: TERRAMASTER

EAN: 6939236147170

Product Code: 811608

R12,749

TERRAMASTER F4 SSD NAS File Server with Intel N95, 8 GB RAM, and 4 drive bays

The TerraMaster F4 SSD is a modern NAS file server equipped with an Intel N95 processor clocked at up to 3.4 GHz, 8 GB of DDR5 memory, and 4 bays for M.2 NVMe SSDs. Its all-flash design ensures high performance, quiet operation at just 19 dB(A), and fast data access. The device features a 5GbE network port, hardware-accelerated 4K video decoding and transcoding, support for multiple RAID levels, and advanced backup and cloud synchronization features. Thanks to its compact size and easy installation, it works well both as a home data center and as an efficient file storage solution for small businesses.

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Fast data access thanks to 5GbE networking and SSD storage

The 5GbE port enables transfer speeds up to five times faster than standard Gigabit Ethernet. Combined with an architecture based entirely on SSDs, the device ensures lightning-fast file transfers, rapid backups, and smooth operation for multiple users simultaneously. Thanks to low latency, the server is ideal for remote data access, working with large files, and streaming multimedia. Additionally, three USB 3.2 ports with transfer speeds of up to 10 Gb/s make it easy to connect external storage devices and accessories.

A private cloud for the whole family

The TerraMaster F4 SSD allows you to create over 20 independent user accounts, so every household member can enjoy their own separate data space. This solution enhances the privacy and security of stored files while allowing for convenient sharing of documents and multimedia in a shared space. Automatic synchronization of photos and videos from mobile devices ensures that new content is immediately saved to the server without the need for manual uploads. It's a convenient way to free up smartphone storage and create your own data storage hub without monthly cloud service fees.

Smart Photo and Media Management

Built-in AI-powered features help automatically organize your photo library by recognizing faces, animals, objects, and scenes. This makes finding specific photos much faster, even in very large archives. The server supports hardware decoding and transcoding of 4K H.264 and H.265 content, ensuring smooth video playback on various devices. Compatibility with Plex, Emby, Jellyfin, and DLNA allows you to create a home media center accessible on TVs, computers, smartphones, and tablets.

Advanced Backups and Data Synchronization

The F4 SSD is equipped with a comprehensive set of data protection tools. Features such as Duple Backup, Centralized Backup, Rsync, Snapshot, and USB Backup allow you to create multiple layers of security for important files. Integration with popular cloud services such as Google Drive, OneDrive, Dropbox, and Amazon S3 allows you to automatically sync data across different locations. With the

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TerraSync and CloudSync apps, users can conveniently manage files on computers, mobile devices, and in the cloud from a single system.

High Level of Data Security

The device uses hardware encryption and advanced security mechanisms available in the TOS system. Support for AES encryption, OTP authentication, RSA 2048, the HyperLock system, and automatic account locking enhances protection against unauthorized access. A built-in firewall and support for SSL certificates further secure network communication. Thanks to local data storage, users retain full control over their files without having to entrust them to external service providers.

Quiet operation, flexible expansion, and easy use

The compact chassis, measuring just 138 × 60 × 140 mm, houses four M.2 NVMe slots and weighs only 0.6 kg, allowing the server to be easily placed virtually anywhere. An intelligent cooling system maintains a low noise level of approximately 19 dB(A), allowing you to use the device even in a bedroom or home office. The extremely simple installation of drives in the pull-out tray and easy access to the RAM slot mean that upgrading the device takes less than two minutes. RAID and RAID+ technologies automatically optimize disk space utilization, simplify RAID array management, and allow you to conveniently adjust storage capacity to meet your growing needs.

Included

- TerraMaster F4 SSD NAS Server
- AC power adapter
- Power cord
- RJ-45 network cable
- Quick start guide
- Warranty information
- Set of mounting screws

Manufacturer

TerraMaster

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Model:	F4 SSD
Device type	All-Flash NAS server
Processor	Intel N95, 4 cores / 4 threads
Processor clock speed	up to 3.4 GHz
Architecture	x86 64-bit
RAM	8 GB DDR5 non-ECC SODIMM
Maximum supported RAM	32 GB DDR5 non-ECC SODIMM
Number of memory slots	1 × DDR5 SODIMM
Drive slots	4 × M.2 2280 NVMe SSD
M.2 Interfaces	2 × PCIe 3.0 x2, 2 × PCIe 3.0 x1
Maximum Storage Capacity	up to 32 TB (4 × 8 TB)
Supported internal file systems	Btrfs, EXT4
Supported external file systems	EXT3, EXT4, NTFS, FAT32, HFS+, Btrfs
Network port	1 × RJ-45 5GbE
USB ports	2 × USB 3.2 Gen 2 Type-A (10 Gb/s), 1 × USB 3.2 Gen 2 Type-C (10 Gb/s)
Video output	1 × HDMI 2.0b
Hardware decoding/transcoding	H.264, H.265, MPEG-4, VC-1
Max. resolution	4K (4096 × 2160) at up to 60 FPS
Supported RAID levels	RAID, RAID+, JBOD, Single, RAID 0, RAID 1, RAID 5, RAID 6, RAID 10
Maximum number of user accounts	128
Supported protocols	SMB/CIFS, AFP, NFS, FTP, SFTP, WebDAV, HTTPS, SSH, iSCSI
Noise level	19 dB(A)
Power Supply	48 W
Dimensions	138 × 60 × 140 mm
Weight	0.6 kg

GPSR Link: https://psr-assets.innpro.pl/it_accessories/sg_it_accessories_network_devices.pdf, Gross weight: 1200, Net weight: 600, Box length: 18,50, Box width: 17,20, Box height: 15,20, PPWR: —

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