

TERRAMASTER F8 SSD Plus NAS File Server with Intel Core i3- N305, 16GB RAM, 8 bays



Model: F8 SSD Plus

Manufacturer: TERRAMASTER

EAN: 6939236145855

Product Code: 891186

R19,356

TERRAMASTER F8 SSD Plus NAS File Server with Intel Core i3-N305, 16 GB RAM, 8 bays

The TerraMaster F8 SSD Plus is a modern NAS file server equipped with an Intel Core i3-N305 processor featuring 8 cores and a clock speed of up to 3.8 GHz, 16 GB of DDR5 memory, and 8 bays for M.2 NVMe SSDs. The device offers up to 64 TB of storage space, a high-speed 10GbE network port, support for hardware-accelerated 4K decoding, and a wide range of RAID configurations, including the proprietary TRAIID and TRAIID+. Thanks to its compact chassis measuring just 177 × 60 × 140 mm and weighing 0.6 kg, it is ideal for both small businesses and home applications involving data storage, multimedia, and backup.

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Performance Ready for Demanding Tasks

At the heart of the device is an Intel Core i3-N305 processor with 8 cores and 8 threads, supported by 16 GB of fast 4800 MHz DDR5 memory. This configuration ensures smooth operation when handling databases, virtual environments, web servers, and extensive multimedia libraries. The integrated Intel UHD Graphics chip supports hardware decoding of 4K content in popular formats, allowing the NAS to function as a high-performance media center. An additional advantage is AES-NI hardware encryption, which enhances data security without noticeably impacting system performance.

8 NVMe SSDs and up to 64 TB of storage

The F8 SSD Plus is designed to take full advantage of modern SSDs. Eight M.2 NVMe 2280 slots allow you to create a high-performance array with a total capacity of up to 64 TB, ensuring fast file access and quick system response times. Support for multiple RAID modes, such as RAID 0, RAID 1, RAID 5, RAID 6, RAID 10, JBOD, RAID, and RAID+, allows you to tailor the configuration to your specific needs regarding performance or data security. As a result, the device is well-suited both as a central file repository and as a platform for storing critical business data.

10GbE networking for fast data access

The built-in 10GbE port provides very high network bandwidth, allowing you to fully utilize the potential of SSDs. Sequential transfer speeds can reach up to 1020 MB/s, which significantly speeds up copying large files, creating backups, and working with video footage. These specifications are particularly useful for photographers, video editors, and creative teams working on shared resources. Additionally, three USB 3.2 10 Gb/s ports allow for easy connection of external storage devices and further expansion of storage capacity.

Quiet Operation and Effective Cooling

The use of SSDs exclusively has significantly reduced noise levels compared to traditional NAS servers that use hard disk drives. The manufacturer has equipped the device with an active cooling system based on convection, heat sinks for each drive, and two quiet fans. As a result, the components maintain a stable temperature even under heavy load. In standby mode, the noise level

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is just 18.5 dB(A), which means the device can operate in an office, living room, or study without disrupting daily activities.

Advanced TOS 6 System and Extensive Business Features

The server runs on the TOS 6 system, which offers a modern interface and a wide range of data management tools. Users have access to features such as data snapshots, cloud synchronization, USB backups, Time Machine support, a VPN server, and remote access via TNAS Online. Support for Docker Manager allows you to run containers and additional services, while compatibility with Plex Media Server, Emby, and media servers makes it easy to build a home entertainment center. Comprehensive security mechanisms, including AES encryption, OTP authentication, and a firewall, help effectively protect stored data.

Included in the box

- TerraMaster F8 SSD Plus NAS server
- AC adapter
- Power cord
- RJ-45 network cable
- Quick start guide
- Warranty document
- Set of mounting screws

Manufacturer	TerraMaster
Model	F8 SSD Plus
Processor	Intel Core i3-N305
Number of cores / threads	8 cores / 8 threads
Maximum clock speed	up to 3.8 GHz
Graphics	Intel UHD Graphics
Hardware video decoding	H.264, H.265, MPEG-4, VC-1, 4K 60 FPS
RAM	16 GB DDR5 4800 MHz non-ECC SODiMM

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Maximum supported RAM	32 GB DDR5
Number of drive bays	8
Supported storage media	M.2 NVMe 2280 SSD (M-Key)
Maximum capacity	up to 64 TB (8 × 8 TB)
Network port	1 × 10GbE RJ-45
USB ports	3 × USB 3.2 Gen 2 (10 Gb/s)
HDMI port	1
Supported file systems (internal)	Btrfs, EXT4
Supported file systems (external)	EXT3, EXT4, NTFS, FAT32, HFS+, Btrfs
Supported RAID configurations	TRAIID, TRAIID+, JBOD, RAID 0, RAID 1, RAID 5, RAID 6, RAID 10
Noise level	18.5 dB(A)
Power consumption	72 W
Dimensions	177 × 60 × 140 mm
Weight	0.6 kg
Operating system	TOS 6

GPSR Link: https://psr-assets.innpro.pl/it_accessories/sg_it_accessories_network_devices.pdf, Gross weight: 1810, Net weight: 600, Box length: 22,00, Box width: 19,50, Box height: 17,50, PPWR: <https://ppwr.innpro.pl/terramaster>

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