

TERRAMASTER F8 SSD NAS File Server with Intel N95, 8GB RAM, 8 bays



Model: F8 SSD

Manufacturer: TERRAMASTER

EAN: 6939236145848

Product Code: 891185

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TERRAMASTER F8 SSD NAS File Server with Intel N95, 8 GB RAM, 8 drive bays

The TerraMaster F8 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 as many as 8 bays for M.2 NVMe SSDs. The device offers up to 64 TB of storage space, a high-speed 10GbE network port with a throughput of up to 1020 MB/s, and hardware-accelerated 4K video decoding. Thanks to its compact design—measuring just 177 × 60 × 140 mm and weighing 0.6 kg—it fits easily on a desk, shelf, or in a home media center. It's a high-performance solution for small businesses, content creators, home users, and anyone who needs fast, quiet, and reliable data storage.

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Performance powered by the Intel N95 processor and DDR5 memory

At the heart of the device is a quad-core Intel N95 processor supported by 8 GB of 4800 MHz DDR5 memory. This configuration ensures smooth multitasking, from file storage and sharing to working with databases, virtual machines, and business applications. The integrated Intel UHD Graphics chip supports hardware decoding of 4K content and popular video formats, resulting in smooth multimedia playback and transcoding. Additionally, AES-NI hardware encryption enhances the security of stored data without noticeably impacting performance.

8 M.2 NVMe slots and up to 64 TB of high-speed storage

The F8 SSD model is designed for users who expect high performance from their storage. Eight M.2 NVMe 2280 slots allow you to install SSDs with a total capacity of up to 64 TB, ensuring very fast data access and short system response times. The use of SSDs eliminates the limitations of traditional hard disk drives, which is particularly important when working with large graphics projects, video files, or databases. Support for multiple RAID configurations, including TRAIID, TRAIID+, RAID 0, RAID 1, RAID 5, RAID 6, and RAID 10, allows you to tailor the level of data protection to your specific needs.

10GbE Network for Fast File and Multimedia Workflows

The built-in 10GbE port enables data transfer speeds of up to 1020 MB/s for sequential read and write operations. Such high bandwidth significantly speeds up copying large files, team collaboration, and video editing directly from the NAS. The device is well-suited for small film studios, production environments, and anywhere where fast data access is essential. An additional advantage is the ability to expand storage capacity using three USB 3.2 10 Gb/s ports, which allow you to connect external storage devices.

Quiet operation and effective cooling around the clock

The use of SSDs exclusively has significantly reduced the noise level generated by the device. In standby mode, the server operates at a noise level of approximately 18.5 dB(A), allowing it to run even in residential spaces without disrupting daily comfort. Each drive is equipped with a heat sink, and the entire system is supported by an active cooling system that uses convection and two quiet

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fans. This solution helps maintain a stable operating temperature even when all SSD bays are fully loaded.

Included in the box

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

Manufacturer	TerraMaster
Model	F8 SSD
Processor	Intel N95, 4 cores / 4 threads
Processor clock speed	up to 3.4 GHz
Graphics	Intel UHD Graphics, 16 execution units
RAM	8 GB DDR5 4800 MHz
Maximum RAM	32 GB DDR5
Number of Slots	8 × M.2 NVMe 2280 (M-Key)
Maximum Capacity	up to 64 TB
Supported File Systems	Btrfs, EXT4
Supported RAID	RAID, RAID+, JBOD, RAID 0, RAID 1, RAID 5, RAID 6, RAID 10
Network port	1 × RJ-45 10GbE
USB ports	3 × USB 3.2 Gen 2 (10 Gb/s)
Video output	1 × HDMI
Hardware video decoding	H.264, H.265, MPEG-4, VC-1
Maximum video resolution	4K (4096 × 2160) at 60 FPS

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Hardware encryption	AES-NI
Noise level	18.5 dB(A)
Power supply	72 W
Power consumption	45 W (operating), 9 W (hibernation)
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: 1700, Net weight: 600, Box length: 22,00, Box width: 19,50, Box height: 18,30, PPWR: <https://ppwr.innpro.pl/terramaster>

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