

PRESS RELEASE

TerraMaster Expands Its Lineup with D1 SSD Pro: Fanless Thunderbolt 5 Enclosure Up to 7,061 MB/s

80 Gbps, dual-chip controller and CNC aluminum body: portable NVMe storage designed for 8K video, Mac and gaming.

Italy, January 26, 2026 — TerraMaster is expanding its range of high-performance storage solutions with **D1 SSD Pro**, a portable SSD enclosure based on **Thunderbolt 5 (80 Gbps)**, built for users handling large files and demanding workflows: **8K/4K creators**, mobile professionals, Mac users and gamers.

Thunderbolt 5: Workstation-class speeds in a pocket-size format

Thanks to **80 Gbps bandwidth** and a **dual-chip controller**, D1 SSD Pro targets fast, stable transfers. TerraMaster reports performance of up to **7,061 MB/s read** and **6,816 MB/s write**, with the ability to move a **6 GB file in about one second** (results may vary depending on the SSD and platform). The performance leap over the Thunderbolt 4 ecosystem (40 Gbps) makes the enclosure a strong option for **rapid backups**, handling large **RAW** files and **8K/4K timelines**, as well as for external game libraries.

Fanless aluminum design: silent operation and efficient cooling

Design is one of the key highlights: an “**aerospace-grade**” **aluminum chassis**, **CNC machining**, and a **fanless** build for silent operation. TerraMaster also emphasizes a “mobile” approach, with a footprint claimed to be smaller than comparable products—ideal for a portable workstation setup.





Broad compatibility and NVMe support up to 8 TB

D1 SSD Pro supports **M.2 2280 NVMe SSDs up to 8 TB** and is compatible with **Thunderbolt 5/4/3** and **USB4/USB 3.2**, working across **Windows, macOS and Linux**. On Apple systems, it can also be configured as a **boot drive for macOS**, useful for travel setups and temporary workstations.

Use cases

Video & Photo: fast import/export of 8K/4K footage and large projects

Mac power users: storage expansion and potential boot drive

Gaming: external game library with faster load times than traditional external storage

Mobile professionals: high-speed transfers of archives, presentations and large files on the go

Built-in protections

For data safety, TerraMaster states that D1 SSD Pro includes protection against **short circuits, overvoltage, and electrostatic discharge (ESD)**, helping safeguard data and hardware even in challenging environments.

TerraMaster D1 SSD Pro is positioned as a premium solution for mobile storage, combining extreme speed, stable performance, and a silent, portable design—ideal for demanding professionals and power users.

Product: TerraMaster D1 SSD Pro

Interface: Thunderbolt 5 (80 Gbps)

Claimed speeds: up to 7,061 MB/s read, 6,816 MB/s write

SSD format: M.2 2280 NVMe, up to 8 TB

Compatibility: TB5/TB4/TB3, USB4/USB 3.2 — Windows/macOS/Linux

Design: CNC aluminum, fanless

Extras: configurable as a macOS boot drive; electrical/ESD protections

About TerraMaster

TerraMaster is a brand specialized in innovative storage solutions for consumers, businesses, and organizations. The company develops cutting-edge **NAS and DAS** systems with a constant focus on **performance, reliability, and intuitive design**, helping simplify data management and support both professional and home workflows.

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