TerraMaster D1 SSD Plus

Portable High-Speed SSD Enclosure

Datasheet



The D1 SSD Plus is designed for video editors, offering a USB4 ultra-high-speed portable SSD with professional-grade performance in a compact body. It easily expands storage for Mac mini and can also serve as a MacOS boot disk, meeting the workflow demands of 4K video editing anytime, anywhere.

40 Gbps Bandwidth

The D1 SSD Plus features a USB Type-C interface, delivering 40Gbps of data transfer bandwidth. Tested read speeds reach 3641MB/s, and write speeds reach 3498MB/s, allowing a 3GB file to transfer in approximately one second. With its outstanding performance, the D1 SSD Plus significantly shortens the time required for nearly every task in the post-production workflow.

Test conditions: Samsung 990 PRO 4TB, Apple M4 Mac mini (MacOS version 15.3.2), AJA System Test software.

Compatible with Various Protocols

The D1 SSD Plus is compatible with Thunderbolt 5/4/3 and USB4/3.2/3.1/3.0, delivering lightning-fast transfer speeds for seamless data interaction. This broad compatibility allows the D1 SSD Plus to seamlessly integrate into a variety of use cases, meeting the diverse needs of different users.

Note: Some Windows PCs with Thunderbolt 3 interfaces may have incomplete support for the USB4 protocol, which could cause the D1 SSD Plus to fail to be recognized when connected to such ports. To resolve this issue, it is recommended to connect the D1 SSD Plus to other USB port on the computer.

Compatible with Various M.2 NVMe SSDs

Supports various PCIe M.2 2280 NVMe SSDs, with single-drive capacities of up to 8TB, catering to diverse storage expansion needs.

Cool and Quiet

The device features a fanless passive cooling design, ensuring completely silent operation. Its innovative fully enclosed aluminum alloy chassis offers three times the typical heat dissipation area, enabling efficient cooling. Even under full SSD load, it maintains stable temperatures, preserving high-speed performance and extending the product's lifespan.

Compact and Portable

The D1 SSD Plus features M.2 NVMe high-speed storage and boasts a compact design, making it lightweight and easy to carry. It's ideal for expanding laptop storage, mobile office work, travel, and other portable scenarios.

Safety Protection

The D1 SSD Plus incorporates additional protective components to ensure stable data transmission, safeguarding against short circuits, voltage surges, and electrostatic discharge (ESD).

Durable Construction

The all-metal unibody design ensures durability and long-term stable operation, making it ideal for high-intensity work environments.

PC Data Backup

With the user-friendly TPC Backupper Windows PC backup tool, you can enable scheduled backups. Simply connect the device to your computer, install the client, and set up tasks to back up folders and disk partitions from your Windows PC to TerraMaster USB devices or NAS storage servers. It supports incremental and differential backup strategies, compatible with Windows 8/8.1/10/11 systems, providing reliable protection for your important data. Download now.

Mobile Data Backup

TerraMaster'sproprietary free TDAS app allows easy backup and management of photos, videos, and other data on mobile devices via a USB connection. Fully compatible with iOS 15.6 and above, and Android 11 and above.

Application Scenarios

This product offers broad applicability, meeting diverse storage needs for media creators, photography enthusiasts, tech-savvy users, and mobile office professionals. It is also ideal for Mac mini storage expansion, MacOS boot disks, and everyday mobile storage scenarios.

Specifications:

Storage	
Disk Slot Number	1
Compatible Disk Types	PCIe NVMe M.2 2280 SSD
File System	NTFS, APFS, Mac OS, FAT32, EXT4, exFAT
Maximum Internal Raw Capacity	8 TB (8TB SSD * 1)
RAIDs Supported	SINGLE DISK
USB	USB4 40Gbps
Reading Speed (max.)	3641 MB/s (Samsung 990 Pro 4TB M.2 SSD*1)
Writing Speed (max.)	3498 MB/s (Samsung 990 Pro 4TB M.2 SSD*1)
Appearance	
Size (H*W*D)	112.5 x 60.0 x 33.0 mm
Packaging Size (H*W*D)	152.0 x 65.0 x 139.0 mm
Weight	net weight: 246 g, Gross Weight: 499 g
Others	
System fan	N/A
Fan mode	/
Noise Level	Noiseless
Power Supply	USB 5V
Power Consumption	7.5 W (Built-in Samsung 990 Pro 4TB M.2 SSD in read/write state)
	5.5 W (Built-in Samsung 990 Pro 4TB M.2 SSD in hibernation)
Working Temperature	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C (-5°F ~ 140°F)
Relative Humidity	5% ~ 95% RH
Supported OS	Mac OS、Windows 11(24H2 or later version)
Warranty	2 years
Certificate	CE, FCC, CCC, KC
Environment	RoHS compliance
Package Contents:	Host unit (x1)
	USB4 Cable C to C 0.3m (x1)
	Quick Installation Guide (x1)
	Power adapter (x1)
	Carry bag (x1)
	Limited Warranty Note (x1)

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