

# TerraMaster D2 Thunderbolt3

## Lightning-fast Dual-Bay RAID Storage

### Datasheet



The 2-bay D2 Thunderbolt 3 is compatible with both 3.5" SATA disks and 2.5" SSDs, offering a professional solution to on-the-go storage with a total storage capacity of up to 28TB, which represents around two million HD images or up to 80 hours of 4K video. The D2 Thunderbolt 3 is also equipped with a special handle for additional portability, allowing it to be easily transported for video recording, video copying, and video demos wherever they are needed.

## Lightning-Fast

Drawing on a pair of Thunderbolt 3 interfaces (40 Gbps) and a hardware RAID controller, the D2 Thunderbolt 3 can operate at reading speeds of 760 MB/s (SSD x 2, RAID 0).

## Enjoy Rapid Video Workflows

The time needed for virtually every aspect of the post-production workflow falls when using the D8 Thunderbolt 3. At lightning speed, users can transfer several hours of footage from a Blackmagic® device to Adobe® Premiere Pro. In turn, with uncompressed HD 10-bit and 12-bit video, users can edit the ProRes 422 (HQ), ProRes 4444 XQ, and other data streams. Thumbnails and preview rendering are significantly more responsive when using large items with numerous high-definition clips.

## High Scalability

Using one cable, Thunderbolt 3 enables users to daisy-chain more than five devices to their computer. As a result, users can achieve an enormous 168TB capacity by linking together six D2 Thunderbolt 3 devices.

## Thunderbolt and Thunderbolt 2 Compatibility (for Mac only)

If your Mac has Thunderbolt and Thunderbolt 2 ports, you can capitalise on the D2 Thunderbolt 3 to achieve high-end transfer rates. With Apple's Thunderbolt 3 (USB-C) to Thunderbolt 2 adapter (not sold with the D2 Thunderbolt 3), compatibility between the D2 Thunderbolt 3 and earlier Thunderbolt technologies is straightforwardly achieved.

## Perfectly Suited for the Most Demanding Video Professionals

With its aluminium casing, metal casing, and built-in temperature-controlled smart fan, the D2 Thunderbolt ensures full heat dissipation for those video professionals working long hours.

## Create the Smartest Workspace

A key feature of Thunderbolt 3 is its bandwidth capacity, which has been doubled since

Thunderbolt 2. At the same time, the D2 Thunderbolt 3 benefits from a HD DP digital interface and a pair of Thunderbolt 3 interfaces. By daisy-chaining two 4K displays (or one 5K display) to the D2 Thunderbolt 3, users can augment their workspace in the smartest and most suitable way for their professional needs. Additionally, using Thunderbolt 3 connections, users can even power a compatible notebook computer.

## Multiple RAID Supports

The D2 Thunderbolt 3 operates with RAID 0, 1, and JBOD as well as in single disk array modes for all your application needs. This underpins the all-important concern for guaranteed data security, and it ensures that your storage capacity is utilised in the most efficient way possible.

## Professional and Safe

TerraMaster has made no compromises in its use of state-of-the-art storage technologies, ensuring data safety and security. The D2 Thunderbolt 3 supports hot swapping and hot plugging. An automatic RAID rebuild and an auto idle mode also prevent concerns about inadequately protected data, allowing users to focus on what matters to them: the images.

## The Ideal Companion for All Professionals

Given its compactness, its large storage capacity, and its lightning speed, the D2 Thunderbolt 3 is ideally suited for the most demanding applications, including 4K video editing, as well as seamless 4K streaming. Other users, especially those with strict speed and storage requirements, will find a valuable partner in this device.

## Authoritative Quality Certification

Both Apple and Intel have certified the D2 Thunderbolt 3's design and performance, ensuring the device's consistent performance and reliability.

## Panel Illustration:



SN	Item	Item
①	HDD Indicator	<ol style="list-style-type: none"> <li>1. Green on: The hard drive works fine.</li> <li>2. A flashing green light indicates the hard drive is being read.</li> <li>3. A flashing red light indicates failure of the hard drive or RAID.</li> <li>4. A flashing orange light indicates RAID being rebuilt.</li> <li>5. Off indicates if the hard drive has entered sleep mode, lack of detection or non-connection of the device to the computer.</li> </ol>
②	Power indicator	<ol style="list-style-type: none"> <li>1. Steady on: Powered on</li> <li>2. Off: Powered off</li> <li>3. Red: Standby</li> </ol>
③	Power Switch	Short press once to power on, and press for 3 seconds to power off.

## Rear Cover Illustration:

SN	Item	Description
④	Power Jack	Power input interface. Please note that you should not use any power adaptor other than the original. If you do, the device may be damaged.
⑤	DP Port	Use this to connect the DP monitor.
⑥	Thunderbolt 3 interface	Use this to connect a computer or another Thunderbolt 3 device.
⑦	RAID switch	Rotate to switch different RAID
⑧	RESET button	Press and hold the RESET button for 5s to let the newly set RAID take effect and clean all data on hard drives.

## Specifications:

Storage	
Disk Slot Number	2
Compatible Disk Types	3.5" SATA HDD
	2.5" SATA HDD
	2.5" SATA SSD
File System	FAT 32, FAT 16, NTFS, and EXT4
Maximum Internal Raw Capacity	28TB (14 TB drive x 2) (Capacity will vary along with the RAID type)
RAIDs Supported	SINGLE DISK、JBOD、RAID 0、RAID 1 (for HDD1 and HDD2)
Hardware RAID	√
RAID Auto-rebuilding	RAID 1
Drive Hot Swap	√
HDD Sleep	√
External Ports	
USB	USB3.1 Type-C gen1 x 1
Power Socket	DC IN 12V
Reading/writing Speed (max.)	
Reading Speed (max.)	Read: 410MB/s (2 SSHD RAID0 mode)
Writing Speed (max.)	Write: 400MB/s (2 SSHD RAID0 mode)
Appearance	
Size (H*W*D)	227 x 119 x 133 mm
Packaging Size (H*W*D)	258 x 220 x 170 mm
Weight	Net Weight: 1.42Kg Gross Weight: 2.53Kg
Others	
System fan	80 mm x 80 mm x25mm (x 1)
Fan mode	Smart
Noise Level	18.6dB(A)
Power Supply	
Power Supply	40W
AC Input Voltage	100V - 240V AC
Current Frequency	50/60 Hz, single frequency

Power Consumption	25.6W
	2.0W (hard drive dormancy)
<b>Environment Temperature</b>	
Working Temperature	5°C ~ 40°C (40°F ~ 104°F)
Storage Temperature	-20°C ~ 60°C (-5°F ~ 140°F)
Relative Humidity	5% ~ 95% RH
<b>Supported OS</b>	Windows OS、 Mac OS
<b>Warranty</b>	2 years
<b>Certificate</b>	CE, FCC, CCC, KC
<b>Environment</b>	RoHS compliance
<b>Package Contents:</b>	Host unit (x1)
	Power cord (x1)
	USB Cable A to C(10Gb) (x1)
	Quick Installation Guide (x1)
	Power adapter (x1)
	Screws (several)
	Limited Warranty Note x 1

### **TerraMaster Technology Co., Ltd.**

2-A1, Building A, Zhangkeng Industrial Park, Minkang Road, Shenzhen China.

Website: [www.terra-master.com](http://www.terra-master.com)

Email: [sales@terra-master.com](mailto:sales@terra-master.com)

Tel: +86 755 81798555

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