

# TerraMaster D5 Thunderbolt3

## 5-Bay Professional-Grade RAID

### Datasheet



TerraMaster's 5-bay D5 Thunderbolt 3 is compatible with 3.5" SATA disks and 2.5" SSDs, allowing professionals to capitalise on a total storage capacity of up to 60TB. As a result, you can be assured the device gives you the tools you need to overcome any storage challenge.

## Lighting Speed

The D5 Thunderbolt 3 is equipped with a 40-Gbps lighting speed interface, and the read and write support attains speeds of up to 1,035 MB/s (test conditions: 5 SSDs, RAID 0 mode). The device is compatible with daisy chaining across multiple Thunderbolt 3 devices, and each one can be realized using the Thunderbolt interface.

## Dedicated DP Interface

Given its HD DP digital interface, video editors can connect the D5 Thunderbolt 3 to a 4K HD display to satisfy their needs.

## Multi-Screen Display

Capitalising on the Thunderbolt 3 and DP interfaces, the D5 Thunderbolt 3 supports multi-screen display with up to 3 screens. This is an ideal solution for multitaskers, especially when efficiency is the end goal.

## Multiple RAID Supports

The D5 Thunderbolt 3 can operate with RAID 0, 1, 5, and 10, as well as JBOD 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

Replacing lost content is inconvenient, costly, and, ultimately, unworkable for all professionals. Therefore, with the D5 Thunderbolt 3, TerraMaster has not comprised on its use of state-of-the-art storage technologies to ensure data safety and security. Now, freed from concerns about inadequately protected data, users can focus on what matters to you.

Compatible with multiple arrays in one device	Online RAID Level Migration (ORLM)
RAID Online Capacity Expansion (OCE)	Compatible with hot swapping and hot plugging
Automatic drive (insert / removal) detection	Supports hot spare disk
Hard disk NCQ (native command sort) technology	Flash cache
Automatic RAID rebuild	Multiple RAID initialization types
SHI (Storage Health Inspector – S.M.A.R.T.)	Verifies RAID for bad sectors and parity check
Regular and automatic hard drive checks	Bad sector repair and remapping
Spin down idle mode	Alert notifications via email
Staggered drive spin up	Event log



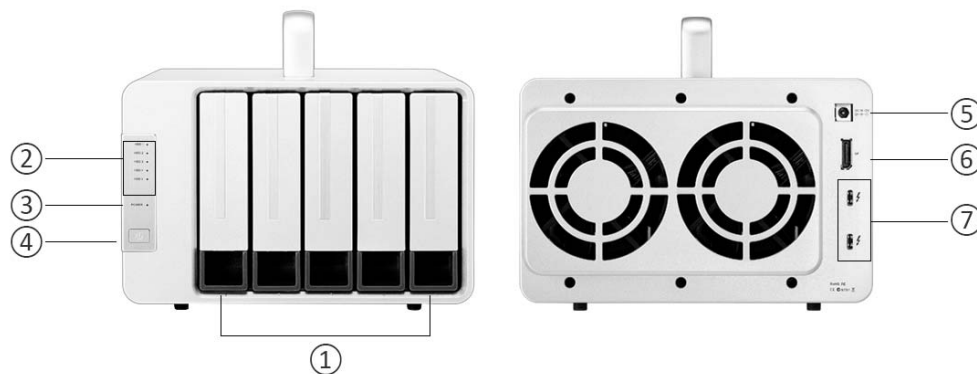
## **The Ideal Companion for All Professionals**

Given its compactness, its large storage capacity, and its lightning speed, the D5 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 D5 Thunderbolt 3's design and performance, ensuring the device's consistent performance and reliability.

## Panel Illustration:



SN	Item	Item
①	Hard drive tray	3.5" SATA HDD; 2.5" SATA HDD; 2.5" SATA SSD
②	HDD Indicator	Off: Hard drive not detected. Green light (flashing): reading and writing data. Red Light: Hard drive failure or array damage.
③	Power indicator	Off: Powered off. Green light: Powered on. Red light: Sleeping.
④	Power Switch	Short press once to power on, and press for 3 seconds to power off.

## Rear Cover Illustration:

SN	Item	Description
⑤	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.
⑥	DP Port	Use this to connect the DP monitor.
⑦	Thunderbolt 3 interface	Use this to connect a computer or another Thunderbolt 3 device.

## Specifications:

Storage	
Disk Slot Number	5
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	70TB (14 TB drive x 5) (Capacity will vary along with the RAID type)
RAIDs Supported	SINGLE DISK、JBOD、RAID 0、RAID 1、RAID5、RAID10
Hardware RAID	√
RAID Manager Software	√
RAID Manager Software Language	English, Chineses, Japanese
RAID Online Expansion	√
RAID Migration	√
RAID Auto-rebuilding	√
Drive Hot Swap	√
HDD Sleep	√
HDD S.M.A.R.T. Inspection	√
Sector Inspection and Parity Check	√
SSC Cache	√
Daisy Chain	√
HDD NCQ Technology	√
Alert Notice	√
Event Log	√
External Ports	
Thunderbolt	40Gb Thunderbolt 3 x 2
DP Interface	DP 1.2 x 1
Power Socket	DC IN 12V
Reading/writing Speed (max.)	
Reading Speed (max.)	Read: 1035MB/sec
Writing Speed (max.)	Write: 850MB/sec
Appearance	

Size (H*W*D)	227 x 225 x 176 mm
Packaging Size (H*W*D)	300*275*210 mm
Weight	Net Weight: 2.47Kg Gross Weight: 3.65Kg
<b>Others</b>	
System fan	80 mm x 80 mm x25mm (x 2)
Fan mode	Smart
Noise Level	19.8dB(A)
<b>Power Supply</b>	
Power Supply	120W
AC Input Voltage	100V to 240V AC
Current Frequency	50/60 HZ, Single Phase
Power Consumption	76.8W(Access)
<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)
	Thunderbolt cable (40Gbps) * 1
	Quick Installation Guide (x1)
	Power adapter (x1)
	Screws (several)
	Limited Warranty Note x 1



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