TerraMaster D2-310

Datasheet

D2-310 adopts USB3.1 (Gen 2, 10Gbps) SUPERSPEED+ protocol. When using SSHD hard drives in a RAID 0 of RAID, read and write speed (max) is 410MB/ seconds (read) and 400MB/ seconds (write).

1GB video copy only takes 2-3 seconds!

Copy a 1GB video in only 2-3 seconds. Copy 100G documents in only 4 minutes.

USB Type-C interface

D2-310 is equipped with brand new USB type-C high-speed interface and compatible with Mac and Windows computers.

Up to 12TB storage capacity

D2-310 can support two (2) SATA hard drives, is compatible with 6TB 3.5 inch SATA hard drive, and has a total storage capacity up to 12TB. (Note: users need to purchase their own hard drives. These are not included.)

Compatible with various hard drives

D2-310 is compatible with various hard drives, such as 3.5 inch SATA hard drives (including WD Green hard drives, WD Red hard drives, WD Purple hard drives, and Enterprise hard drives), 2.5" SATA hard drives, and 2.5" SATA SSD.

Support multiple RAID

D2-310 supports multiple RAID of RAID 0, RAID 1, JBOD, or SINGLE to better satisfy the various demands of users. In RAID 1, data will be in a mirror backup. When there is a damaged hard drive, you can directly replace the hard drive, and the data will be recovered automatically. This provides an absolute security guarantee for the data.

Aluminum Enclosure

D2-310 adopts aluminum enclosure and low-noise fan, which is firm and reliable, of good heat dissipation, and low noise.

Various applications

D2-310 is usable for various data application including video editing, photo backup, research and development, technical document preservation, file backup, music library, financial records, video surveillance, and corporate data storage.

SSHD hybrid hard drive recommended uses for higher transmission speed

Actual test speeds with different hard drives under the same conditions is listed as follow.

Computer Configuration	Hard Drive Type	Writing speed	Reading speed
ASUS motherboard (Z97-E), Windows 10, 2GB RAM, SanDisk 120G SSD	Seagate Desktop SSHD 2 TB Hard Drive	410MB/S	400MB/S
	WD Red 2TB	280MB/S	290MB/S
Remarks: the test above was completed in RAID0. Speeds will vary in different test conditions.			

D2-310 has passed multiple certifications, including FCC, CE, UL, GS, and RoHS.

Panel Illustration:

SN	Item	Description
①	Hard Drive Indicators	Off: Hard drive not detected or hard drive in sleep mode Green: Hard drive is ready Flashing Green: Reading/writing Flashing Red: Hard drive fault or array damage Note: During the process of data recovery on RAID 1 mode, one hard drive indicator flashes green while the other flashes yellow.
②	Power Indicator	1. Steady on: Powered on 2. Off: Powered off 3. Red: Standby
③	Power Button	Short press once to power on, andpress for 3 seconds to power off.

Rear Cover Illustration:

SN	Item	Description
④	Power Jack	DC 12V power input Warning: Only use the power adapter originally supplied with your device. Use of any other adapter may result in damage.
⑤	USB Type-C Interface	Data transmission interface
⑥	Rotary Switch	Used to switch RAID modes. After switching the array mode, you need to press the reset button to make the newly set array mode take effect.
⑦	Reset	Reset the device to match its current hardware settings

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
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)
Environment Temperature	
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
Supported OS	Windows OS、Mac OS
Warranty	2 years
Certificate	CE, FCC, CCC, KC
Environment	RoHS, WEEE
Package Contents:	Host unit (x1)
	Power cord (x1)
	USB Cable A to Type-C(10Gb) (x1)
	Quick Installation Guide (x1)
	Power adapter (x1)
	Screws (several)
	Limited Warranty Note x 1

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