



CARDEA Z540 M.2 PCIe 5.0 SSD

T-FORCE CARDEA Z540 M.2 PCIe 5.0 SSD adopts the latest PCIe Gen5x4 and supports NVMe 2.0 protocol. It offers continuous read/write speeds of 12,000 and 10,000 MB/s for you to unleash impeccable speed in launching games and applications. The ultra-thin graphene heatsink is made with 100% recyclable graphene of exceptional diagonal conductivity, which allows heat at the heat source to be rapidly transferred away horizontally and can be complementary to any original motherboard heatsink. The heat dissipation performance of T-FORCE CARDEA Z540 M.2 PCIe 5.0 SSD is better than the original motherboard heatsink alone, making it the best heat dissipation solution for original motherboard heatsinks.

Primary functions and features

- Astonishing new-generation impeccable speed to unleash gaming performance
- The miraculous force of graphene
- The best heat dissipation solution
- Intelligent thermal conditioning
- Concrete actions to safeguard Earth
- Patented S.M.A.R.T. monitoring master
- Quality service for user assurance



Specifications

Interface	PCIe Gen5x4 with NVMe
Capacity	2TB ^[1]
Voltage	DC +3.3V
Operation Temperature	0°C ~ 70°C
Storage Temperature	-40°C ~ 85°C
DRAM Cache	YES
Terabyte Written	1400 TBW ^[2]
Performance	Read/Write: 2TB Read/Write: up to 12,000/10,000 MB/s ^[3] IOPS: 2TB Read/Write: up to 1400K/1500K IOPS Max
Weight	13g
Dimensions	80.0(L) x 22.0(W) x 3.7(H) mm
Humidity	RH 90% under 40°C (operational)
Vibration	80Hz~2000Hz/20G
Shock	1500G/0.5ms
MTBF	1,700,000 Hours
Operating System	Compatible with Intel and AMD platforms and has one of the following operating systems: Windows 11 / 10 / 8.1 / 8 / 7 / Vista, MAC OS 10.4 or later, Linux 2.6.33 or later
Warranty	5-year limited warranty ^[4]

[1] 1GB=1,000,000,000 Bytes. In OS system, it would be displayed as 1,000,000,000 Bytes/1024/1024/1024 = 0.93GB

[2] Definition and conditions of TBW (Terabytes Written) are based on JEDEC standard

[3] Transmission speed will vary according to different hardware/software conditions, therefore the data can only use for basic reference.

[4] The SSD is based on the TBW or Warranty period.

※All the test data is provided by TEAMGROUP's laboratory and the information of test data is only for reference. We reserve the right to modify product specifications without prior notice.

Ordering information

Capacity	Team P/N
2TB	TM8FF1002T0C129

