

CARDEA Z44L M.2 PCIe Gaming SSD

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T-FORCE CARDEA Z44L PCIe4.0 SSD uses patented ultra-thin graphene heat spreader, supports PCIe Gen4x4 and the latest NVMe 1.4 specification. The read/write speed is up to 3500/3200 MB/s. In addition, it also supports SLC Cache technology and smart algorithm management mechanism to help ensure operational efficiency and maximize the performance of SSD. With exclusive SSD monitoring software and a five-year warranty, it is definitely the best choice for getting an M.2 PCIe SSD.

Main Feature

- Enjoy the read/write performance of PCIe Gen4x4
- Patented ultra-thin graphene heat spreader
- Not only faster but also more stable and durable
- Supports the latest NVMe 1.4 standard
- SSD smart monitoring software
- Five-year warranty offers you peace of mind
- United States Patent (number：US11051392B2)
- Taiwan Invention Patent (number: I703921)
- China Utility Patent (number: CN 211019739 U)



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Specification

Interface	PCIe Gen4x4 with NVMe 1.4
Capacity	250GB / 500GB / 1TB / 2TB[1]
Voltage	DC +3.3V
Operation Temperature	0˚C to 70˚C
Storage Temperature	-40˚C ~ 85˚C
DRAM Cache	NO
Terabyte Written	250GB – 150TBW 500GB - 300TBW 1TB - 600TBW 2TB - 1200TBW[2]
Performance	Crystal Disk Mark: 250GB Read/Write: up to 3300/1400 MB/s 500GB Read/Write: up to 3300/2400 MB/s 1TB Read/Write: up to 3500/3000 MB/s 2TB Read/Write: up to 3500/3200 MB/s[3] IOPS: 250GB Read/Write: 132K/985K IOPS Max 500GB Read/Write: 142K/357K IOPS Max 1TB Read/Write: 263K/382K IOPS Max 2TB Read/Write: 380K/550K IOPS Max[3]
Weight	7g (PCBA)
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	3,000,000 hours
Operating System	System Requirements： • Windows 11 / 10 / 8 / 7 / Vista[4] • Linux 2.6.33 or later
Warranty	5-year limited warranty[5]

Ordering Information

Capacity	Team P/N
250GB	TM8FPL250G0C127
500GB	TM8FPL500G0C127
1TB	TM8FPL001T0C127
2TB	TM8FPL002T0C127

[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] PCIe SSD works best under WIN8.1 and WIN10 operating system. Windows Operating Systems earlier than Windows 8.1 does not support NVMe Driver natively. Users will need to install NVMe Driver prior installing the SSD.
[5] 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.

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