

CARDEA Z44Q M.2 PCIe Gaming SSD

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T-FORCE CARDEA Z44Q PCIe 4.0 SSD creates a new TB-class M.2 era by using QLC Flash and offering capacity of up to 4TB to choose from. It supports PCIe Gen4x4 interface specification and the latest NVMe 1.4 specification with up to 5000/4000MB/s of read/write. Considering the high temperature generated by high-speed operation, two types of heat spreaders with superb heat dissipation are available for consumers to choose from. Enjoy PCIe Gen4, large capacity and fast speed all at once.

Main Feature

- Enjoy PCIe Gen4, large capacity and fast speed all at once
- Two types of patented heat spreaders for you to choose from
- Effective cooling and installation is so easy
- Support the latest NVMe 1.4 specification
- Taiwan Utility PATENT (number: M541645)
- Taiwan Invention Patent (number: I703921)
- Chinese Utility Patent (number: CN 211019739 U)

Ordering Information

Capacity	Team P/N
2TB	TM8FPQ002T0C327
4TB	TM8FPQ004T0C327



Specification

Interface	PCIe Gen4.0 x4 with NVMe 1.4
Capacity	2TB / 4TB[1]
Voltage	DC +3.3V
Operation Temperature	0°C ~ 70°C
Storage Temperature	-40°C ~ 85°C
Terabyte Written (TBW)	2TB - 400TBW 4TB - 800TBW[2]
Performance	Crystal Disk Mark: 2TB Read/Write: up to 5,000/3,700 MB/s 4TB Read/Write: up to 5,000/4,000 MB/s[3] IOPS (IOMeter): 2TB Read/Write: up to 350K/600K 4TB Read/Write: up to 350K/600K[3]
Weight	13g (with Graphene heat sink) 46g (with Aluminum heat sink)
Dimensions	80.0(L) x 22.0(W) x 3.7(H) mm (with Graphene heat sink) 80.0(L) x 23.4(W) x 12.9(H) mm (with Aluminum heat sink)
Humidity	RH 90% under 40°C (operational)
Vibration	80Hz~2,000Hz/20G
Shock	1,500G/0.5ms
MTBF	3,000,000 hours
Operating System	System Requirements: • Windows 10 / 8.1 / 8 / 7 / Vista[4] • Linux 2.6.33 or later
Warranty	5-year limited warranty[5]

[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.

RoHS COMPLIANT
CE D33D08 RoHS
CAN ICES-3(B)/NMB-3(B)
FC Tested To Comply With FCC Standards For Home or Office Use

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