CARDEA II M.2 PCIe Gaming SSD

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Supports S.M.A.R.T. Supports TRIM

The TEAMGROUP T-FORCE releases an upgraded version M.2 PCIe SSD – CARDEA II. The T-FORCE M.2 PCIe SSD – CARDEA II supports the new generation PCIe Gen3 x4 high speed interface and the latest NVMe1.3 protocol. With its superior and outstanding performance in read/write speed, the sequential read/write speed can reach up to 3400/3000 MB/s, and the random read/write speed can reach up to 450K/400K IOPS. By delivering the finest and smoothest gaming experience and an extreme high speed performance without any lag, it allows consumers to fully enjoy the high speed multimedia entertainment experience.

Main Feature

- Cooling module with gaming fin type design
- High performance superconductivity
- Extreme read/write speed
- PCIe interface
- Support S.M.A.R.T. technology
- Support TRIM
- 5 years product warranty
- Taiwan Utility PATENT (number: M541645)

Ordering Information

Capacity	Team P/N
256GB	TM8FP5256G0C110
512GB	TM8FP5512G0C110
1TB	TM8FP5001T0C110

Specification

Interface	PCIe 3.0 x4 with NVMe 1.3
Capacity	256GB / 512GB / 1TB[1]
Voltage	DC +3.3V
Operation Temperature	0˚C ~ 70˚C
Storage Temperature	-40˚C ~ 85˚C
Terabyte Written	256GB / >380TB 512GB / >800TB 1TB / >1,665TB[2]
Performance	Crystal Disk Mark: 256GB Read/Write: up to 3,000/1,000 MB/s 512GB Read/Write: up to 3,400/2,000 MB/s 1TB Read/Write: up to 3,400/3,000 MB/s[3] IOPS: 256GB Read/Write: 200K/200K IOPS Max 512GB Read/Write: 350K/300K IOPS Max 1TB Read/Write: 450K/400K IOPS Max[3]
Weight	45g
Dimensions	80.1(L) x 23.4(W) x 12.9(H) mm
Humidity	RH 90% under 40°C (operational)
Vibration	80Hz~2,000Hz/20G
Shock	1,500G/0.5ms
MTBF	2,000,000 hours
Operating System	1.System Requirements: • Windows 10 / 8.1 / 8 / 7 / Vista[4] • Linux 2.6.33 or later 2.This product has a heat sink, recommended the use of desktop only.
Warranty	5-year limited warranty

[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.
※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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