CARDEA Liquid M.2 PCIe Gaming SSD

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

T-FORCE CARDEA Liquid is the world's first, water cooling M.2 PCIe solid state drive specially built for gaming/high performance PC. It has water cooling M.2 SSD module with patented design of TEAMGROUP (Taiwan Utility Model Patent No. M574264). Using self-circulation cooling effect to lower the temperature down effectively, which can avoid crashes due to overheating, and maintain a stable working system to offer gamers the finest and smoothest gaming experience.

Main Feature

- World's first water cooling M.2 solid state drive.
- Superior performance
- Support latest NVMe1.3 protocol.
- Support S.M.A.R.T./TRIM technology
- Structure design is a combination of craftsmanship and fashion.
- Taiwan Utility PATENT (number: M574264)

Ordering Information

Capacity	Team P/N
256GB	TM8FP5256G0C119
512GB	TM8FP5512G0C119
1TB	TM8FP5001T0C119

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	42g
Dimensions	83.9(L) x 24.3(W) x 14.1(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 is recommended for use on desktop computers due to the installation water cooling module.
Warranty	5-year limited warranty (SSD) 1-year limited warranty (Heatsink)

[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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