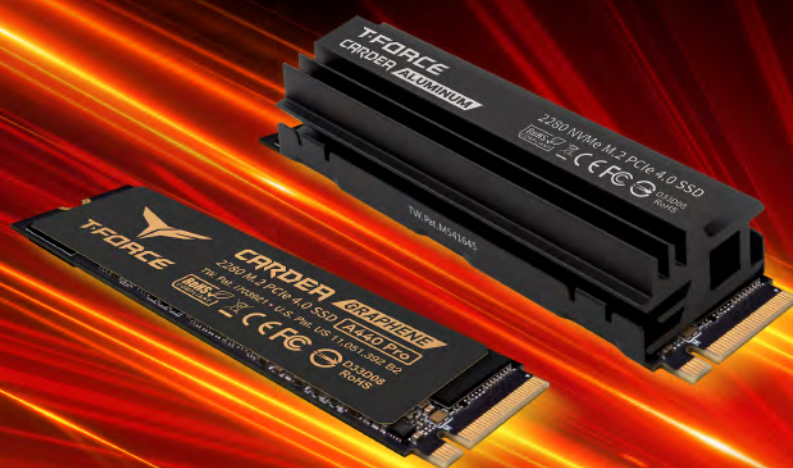


Pushing the Limits and Go Beyond the Peak



CARDEA A440 PRO M.2 PCIe Gaming SSD

CARDEA A440 PRO Gaming SSD

T-FORCE CARDEA A440 PRO PCIe4.0 flagship SSD keeps on pushing the limits, delivering read/write speeds up to 7,400/7,000 MB/s. It supports the PCIe Gen4x4 interface and the latest NVMe1.4 specification. In addition, considering the high temperature generated by high-speed operation, the new aluminum fin type heat sink and graphene heat spreader are available for your selection to effectively delay the problem of speed dropping. The CARDEA A440 PRO PCIe4.0 SSD is your best choice to experience the ultimate speed.

Main Feature

- The all-new, upgraded special aluminum fin type heat sink can effectively reduce the temperature by 48% and delay speed dropping
- The flagship SSD that keeps on pushing the limits
- Patented ultra-thin graphene patent heat spreader for flexible installation
- Two different packages of cooling modules for you to choose from
- Support the latest NVMe 1.4 specification
- United States Patent (number : US11051392B2)
- Taiwan Utility Patent (number:M541645)
- Taiwan Invention Patent (number: I703921)
- China Utility Patent (number: CN 211019739 U)

Specification

Interface	PCIe Gen4x4 with NVMe 1.4
Capacity	1TB / 2TB / 4TB ^[1]
Voltage	DC +3.3V
Operation Temperature	0°C to 70°C
Storage Temperature	-40°C ~ 85°C
Terabyte Written	1TB - 700TBW 2TB - 1,400TBW 4TB - 3,000TBW ^[2]
Performance	Crystal Disk Mark: 1TB Read/Write: up to 7,200/6,000 MB/s 2TB / 4TB Read/Write: up to 7,400/7,000 MB/s ^[3] IOPS: 1TB / 2TB / 4TB Read/Write: up to 1,000K/1,000K IOPS Max ^[3]
Weight	48g (with Aluminum heat sink) 13g (with Graphene heat sink)
Dimensions	80.0(L) x 23.0(W) x 19(H) mm (with Aluminum heat sink) 80.0(L) x 22.0(W) x 3.7(H) mm (with Graphene heat sink)
Humidity	RH 90% under 40°C (operational)
Vibration	80Hz~2000Hz/20G
Shock	1,500G/0.5ms
MTBF	3,000,000 hours
Operating System	System Requirements: • Windows 10 / 8 / 7 / Vista ^[4] • Linux 2.6.33 or later
Warranty	5-year limited warranty ^[5]



Ordering Information

Description	Team P/N
A440 PRO ALUMINUM 1TB	TM8FPR001T0C128
A440 PRO ALUMINUM 2TB	TM8FPR002T0C128
A440 PRO ALUMINUM 4TB	TM8FPR004T0C128
A440 PRO GRAPHENE 1TB	TM8FPR001T0C129
A440 PRO GRAPHENE 2TB	TM8FPR002T0C129
A440 PRO GRAPHENE 4TB	TM8FPR004T0C129

[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.