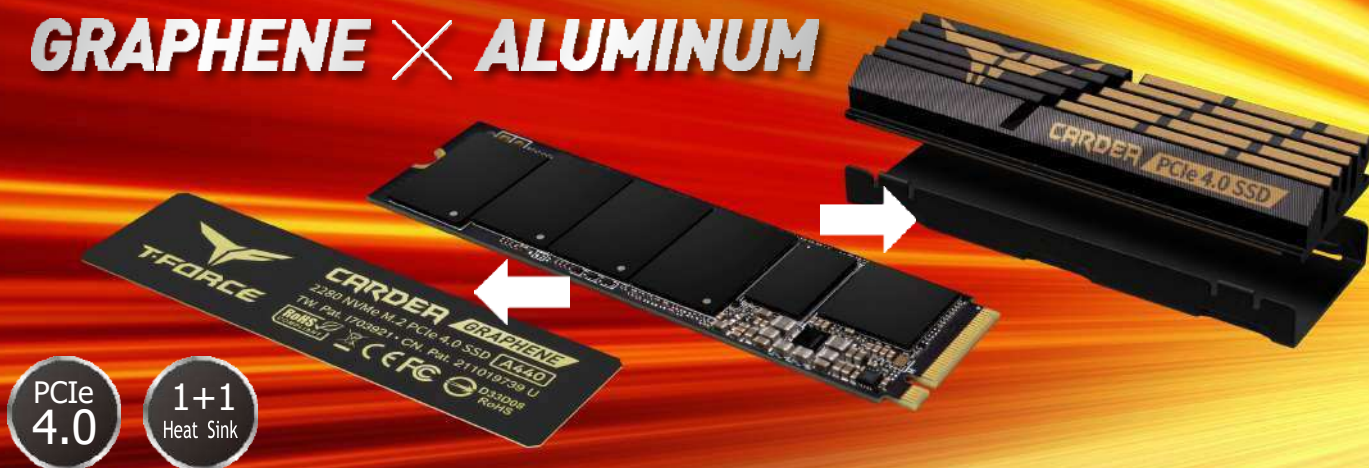


GRAPHENE × ALUMINUM



CARDEA A440 M.2 PCIe Gaming SSD

CARDEA A440 Gaming SSD

The T-FORCE CARDEA A440 PCIe 4.0 SSD delivers awesome performance at lightning speeds. It supports the PCIe Gen4 x4 specification and the latest NVMe standard, reading and writing up to 7,000/6,900 MB/s, and addresses the high temperatures generated by high-speed operations with two different high-performance heat sinks—the best option for high-speed performance.

Main Feature

- Enjoy the lightning speed of the PCIe Gen4 x4
- Featuring two patented heat sinks
- Effective cooling—flexible installation
- Supports the latest NVMe standard
- Taiwan Utility PATENT (number: M541645)
- Taiwan Invention Patent (number: I703921)
- Chinese Utility Patent (number: CN 211019739 U)

Specification

Interface	PCIe Gen4.0 x4 with NVMe
Capacity	1TB / 2TB / 4TB / 8TB ^[1]
Voltage	DC +3.3V
Operation Temperature	0°C ~ 70°C
Storage Temperature	-40°C ~ 85°C
Terabyte Written	1TB - 700TBW 2TB - 1,400TBW 4TB - 3,000TBW 8TB - 6,000TBW ^[2]
Performance	Crystal Disk Mark: 1TB Read/Write: up to 7,000/5,500 MB/s 2TB / 4TB Read/Write: up to 7,000/6,900 MB/s 8TB Read/Write: up to 7,000/6,000 MB/s ^[3] IOPS (IOMeter): 1TB / 2TB Read/Write: up to 650K/700K 4TB Read/Write: up to 1,000K/1,000K 8TB Read/Write: up to 900K/1,000K ^[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 11 / 10 / 8.1 / 8 / 7 / Vista ^[4] • Linux 2.6.33 or later
Warranty	5-year limited warranty ^[5]

Ordering Information

Capacity	Team P/N
1TB	TM8FPZ001T0C327
2TB	TM8FPZ002T0C327
4TB	TM8FPZ004T0C327
8TB	TM8FPZ008T0C327



[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 be used for basic reference.

[4] PCIe SSD works best under WIN8.1 and WIN11 operating system. Windows Operating Systems earlier than Windows 8.1 do not support NVMe Driver natively. Users will need to install NVMe Driver prior to 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.