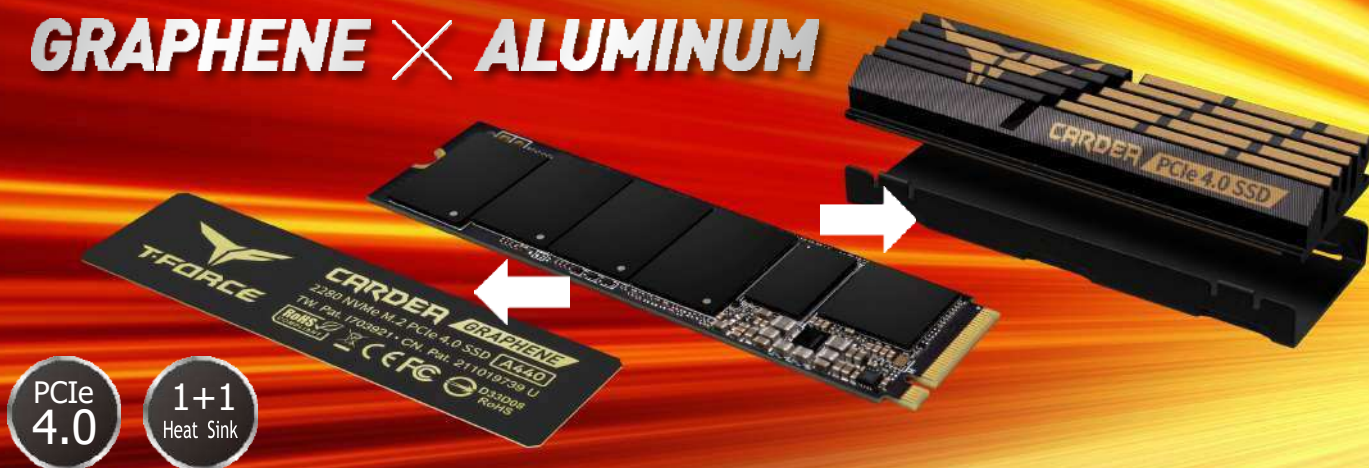# GRAPHENE ✕ ALUMINUM

PCIe 4.0

1+1 Heat Sink

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)

Ordering Information

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

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]

RoHS COMPLIANT

CAN ICES-3(B)/NMB-3(B)

D33D08 RoHS

Tested To Comply With FCC Standards For Home or Office Use

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