



PCIe M.2 SSDs PCIe SSD 250H

Exhibiting more than just ultra speeds, the MTE250H PCIe SSD delivers unbridled performance, low latency, and high stability for passionate gamers. Built with a PCI Express® Gen 4 x4 interface, 3D NAND flash, an 8-channel controller, a DRAM cache, and a heatsink, the MTE250H PCIe SSD is ready to put excellence in your hand.



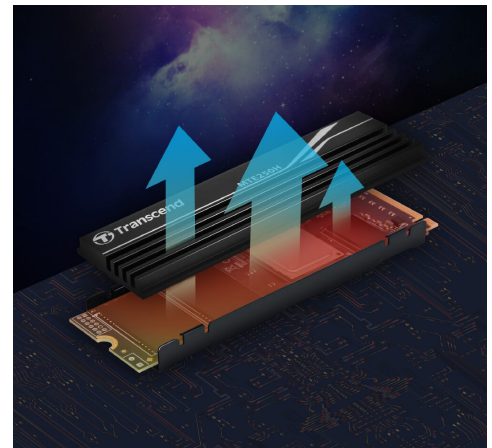
Full speed ahead

Transcend's MTE250H PCIe SSD follows the latest NVMe 1.4 standard, supporting the PCIe™ Gen4 x4 interface, allowing four lanes to transmit and receive data simultaneously. Its 8-channel controller delivers sequential R/W up to 7,500/6,700 MB/s, and up to 540K IOPS, providing captivating performance and response times for your PC systems and game consoles (e.g., PS5).



Level up with next-gen PCIe 4.0

Transcend's MTE250H features the new PCIe 4.0 specification, supporting a bandwidth of 16 GT/s per lane as opposed to 8 GT/s per lane for PCIe 3.0. Backwards compatible with PCIe 3.0, PCIe 4.0 unleashes higher transfer speeds and guarantees lower system latency. For advanced gamers, this means a more seamless and immersive experience.



Be the coolest

Transcend's MTE250H features a high efficiency heatsink to improve heat dissipation of the high performance, compact-sized SSD. The high thermal conductivity and increased surface area reduce drive temperatures by 15%, allowing the SSD to maintain lower operating temperatures, even when you're maxing out performance on your desktop PC or game console.

Note: Performance is based on CrystalDiskMark v6.0.2.



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Features

- Space-saving M.2 Type 2280 form factor
- PCIe Gen4 x4 interface and meets NVMe 1.4 standard
- 8-channel controller for ultra high data throughput
- 3D NAND flash



SSD Scope

SSD Scope features useful functions to maintain your SSD in a healthy status and also copy data from your original HDD to Transcend's new SSD.

Specifications

Appearance

Type	M.2 2280
Dimensions	Double-sided: 80.0 mm x 23.1 mm x 9.2 mm (3.15" x 0.9" x 0.36")
Weight	34 g (1.19 oz)

Interface

Bus Interface	NVMe PCIe Gen4 x4
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Storage

Flash Type	3D NAND flash
Capacity	1 TB / 2 TB / 4 TB

Operating Environment

Operating Temperature	0°C (32°F) ~ 70°C (158°F)
Operating Voltage	3.3V±5%

Performance

Sequential Read/Write (CrystalDiskMark)	Read: Up to 7,500 MB/s Write: Up to 6,700 MB/s
4K Random Read/Write (IOMeter)	Read: Up to 540,000 IOPS Write: Up to 440,000 IOPS
Mean Time Between Failures (MTBF)	3,000,000 hour(s)
Drive Writes Per Day (DWPD)	0.43 (5 yrs)
Terabytes Written (TBW)	Up to 3120 TBW

Warranty

Certificate	CE / UKCA / FCC / BSMI / KC / RCM
Warranty	Five-year Limited Warranty

Ordering Information

1TB	TS1TMTE250H
2TB	TS2TMTE250H
4TB	TS4TMTE250H

Product specifications are subject to change without notice. Pictures shown may differ from actual products. Total accessible capacity varies depending on operating environment.