



PCIe M.2 SSDs

PCIe SSD 250S

Exhibiting more than just ultra speeds, the PCIe SSD 250S delivers unbridled performance, low latency, and high stability for advanced video editors, gamers, and software engineers. Built with the PCI Express® Gen 4 x4 interface, 3D NAND flash, 8-channel controller, and a DRAM cache, the PCIe SSD 250S is ready to put excellence in your hands.



Stunningly fast

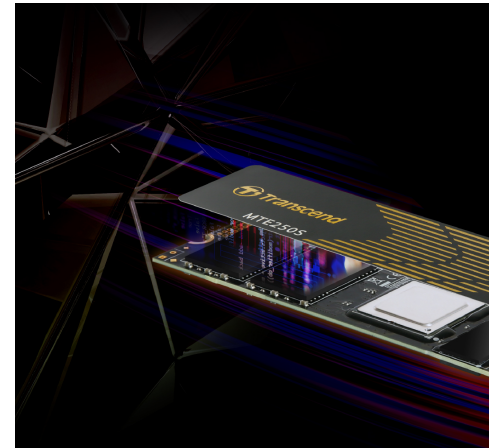
Transcend's PCIe SSD 250S complies with the latest NVMe 1.4 standard, supporting the PCIe™ Gen4 x4 interface, meaning four lanes transmit and receive data simultaneously. Its 8-channel controller delivers sequential R/W up to 7,500/6,700 MB/s, and IOPS up to 540K, delivering captivating performance and response time for desktops and laptops like never before.

Note: Performance is based on CrystalDiskMark v6.0.2.



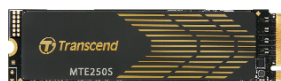
Level up with new-gen PCIe 4.0

The PCIe SSD 250S features the new PCIe 4.0 specification. It supports a bandwidth of 16 GT/s per lane as opposed to 8 GT/s per lane for PCIe 3.0. Downwards compatible with PCIe 3.0, PCIe 4.0 unleashes a higher processing speed for your computer and guarantees lower system latency. For content creators and gamers, this means a more seamless and immersive experience!



As cool as always

The PCIe SSD 250S has an integrated ultra-thin graphene heatsink to effectively improve the heat dissipation of the compact-sized SSD. The high conductivity of graphene quickly cools the system down, ensuring stable device performance.



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Features

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



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

Dimensions	Double-sided: 80 mm x 22 mm x 3.77 mm (3.15" x 0.87" x 0.15")
Weight	10 g (0.35 oz)
Type	M.2 2280

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

Ordering Information

1TB	TS1TMTE250S
2TB	TS2TMTE250S
4TB	TS4TMTE250S

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