



PCIe M.2 SSDs MTE255S

Exhibiting more than just ultra-fast speed, Transcend's PCIe SSD 255S delivers unmatched performance and exceptional stability, making it an ideal choice for advanced video editors, gamers, and software engineers. Built with a PCI Express® Gen 4 x4 interface, 3D NAND flash, and a multi-channel controller, the Transcend PCIe SSD 255S offers powerful performance in the palm of your hand.



Superior Performance That Meets Your Needs

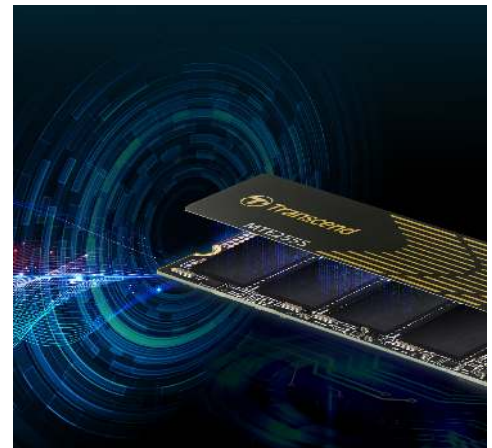
Transcend's PCIe SSD 255S complies with the latest NVMe 1.4 standard, supporting the PCIe™ Gen4 x4 interface. Its multi-channel controller delivers sequential R/W speeds of up to 7,400/6,500 MB/s, and IOPS up to 700K, delivering captivating performance and response times for desktops and laptops like you've never seen before!

Note: Performance is based on the CrystalDiskMark v8.0.4.



Level Up With PCIe 4.0

Transcend's PCIe SSD 255S features the new PCIe 4.0 specification and is downwards compatible with PCIe 3.0. PCIe 4.0 unleashes a higher transfer 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

Transcend's PCIe SSD 255S has an integrated ultra-thin graphene heatsink to improve heat dissipation. The high conductivity of graphene cools the system down quickly, ensuring stable device performance and reliability.



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Features

- 3D NAND flash
- Space-saving M.2 Type 2280 form factor
- PCIe Gen4 x4 interface and meets NVMe 1.4 standard
- Graphene heatsink and dynamic thermal throttling mechanism for higher stability



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	Single-sided: 80 mm x 22 mm x 2.42 mm (3.15" x 0.87" x 0.1")
Weight	9 g (0.32 oz)

Interface

Bus Interface	NVMe PCIe Gen4 x4
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Storage

Flash Type	3D NAND flash
Capacity	1 TB / 2 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 7,400 MB/s Write: Up to 6,500 MB/s
4K Random Read/Write (IOMeter)	Read: Up to 700,000 IOPS Write: Up to 500,000 IOPS
Mean Time Between Failures (MTBF)	2,000,000 hour(s)
Drive Writes Per Day (DWPD)	0.33 (5 yrs)
Terabytes Written (TBW)	Up to 1,200 TBW

Warranty

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

Ordering Information

1TB	TS1TMTE255S
2TB	TS2TMTE255S