



PCIe M.2 SSDs
PCIe SSD 245S

Exhibiting more than just ultra-fast speed, Transcend's PCIe SSD 245S 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, and a multi-channel controller, Transcend's PCIe SSD 245S means power in the palm of your hand.



Superior Performance That Meets Your Needs

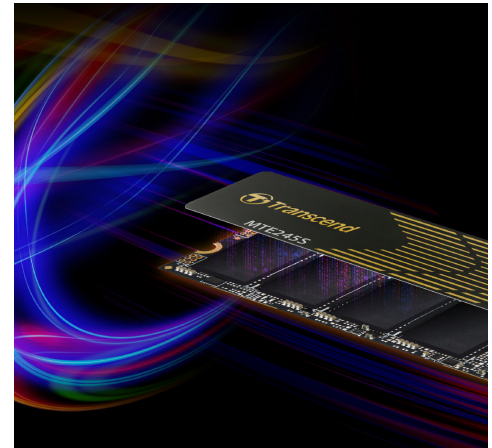
Transcend's PCIe SSD 245S complies with the latest NVMe 1.4 standard, supporting the PCIe™ Gen4 x4 interface. Its multi-channel controller delivers sequential R/W speeds of up to 5,300/4,600 MB/s, and IOPS up to 630K, delivering captivating performance and response times for desktops and laptops like 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 245S 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 245S 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

Dimensions	Single-sided: 80 mm x 22 mm x 2.42 mm (3.15" x 0.87" x 0.1")
Weight	9 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	500 GB / 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 5,300 MB/s Write: up to 4,600 MB/s
4K Random Read/Write (IOmeter)	Read: up to 500,000 IOPS Write: up to 630,000 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 2400 TBW

Warranty

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

Ordering Information

500GB	TS500GMTE245S
1TB	TS1TMTE245S
2TB	TS2TMTE245S
4TB	TS4TMTE245S

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