



PCIe M.2 SSDs

PCIe SSD 400S

Transcend's PCIe M.2 SSD MTE400S has a compact form factor and high-quality 3D NAND flash, making it easy to upgrade Ultrabooks, lightweight notebooks, tablets, and handheld gaming PCs. It is designed with multiple firmware optimization technologies, including SLC caching and LDPC ECC mechanism, which improve storage reliability and extend the drive lifespan. The MTE400S is a great choice for boosting the performance of modern work platforms.



Prepared for Excellence

Featuring the M.2 standard (42mm), a fast PCIe Gen3x4 interface, up to 2,000 MB/s read and 1,700MB/s write speeds, Transcend's MTE400S SSD is more advanced and efficient than a SATA SSD. The MTE400S delivers higher speeds without sacrificing power to your ultra-thin devices.



Designed for Slim Devices

At just 42mm in length, the MTE400S SSD is ideal for Ultrabooks, lightweight notebooks, tablets, and handheld gaming PCs. Thinner and lighter than normal hard drives, the MTE400S SSD gives your computer a much-needed boost while saving space!



A Productive Moment Is Any Moment

Dedicated to maximizing system performance, the MTE400S SSD features 4K random file read and write speeds of up to 275,000 IOPS. It delivers faster loading and response times when using applications that require high graphics or heavy computing.



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Features

- Built-in SLC caching technology for exceptional transfer speeds
- Space-saving M.2 Type 2242 form factor
- 3D NAND flash
- PCIe Gen3 x4 interface and meets NVMe 1.3 standard



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: 42 mm x 22 mm x 2.23 mm (1.65" x 0.87" x 0.09")
Weight	5 g (0.18 oz)
Type	M.2 2242

Interface

Bus Interface	NVMe PCIe Gen3 x4
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Storage

Flash Type	3D NAND flash
Capacity	256 GB / 512 GB / 1 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 2,000 MB/s Write: up to 1,700 MB/s
4K Random Read/Write (IOmeter)	Read: up to 102,000 IOPS Write: up to 275,000 IOPS
Mean Time Between Failures (MTBF)	2,000,000 hour(s)
Drive Writes Per Day (DWPD)	0.21 (5 yrs)
Terabytes Written (TBW)	up to 400 TBW

Warranty

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

Ordering Information

256GB	TS256GMTE400S
512GB	TS512GMTE400S
1TB	TS1TMTE400S

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