

PCIe M.2 SSDs

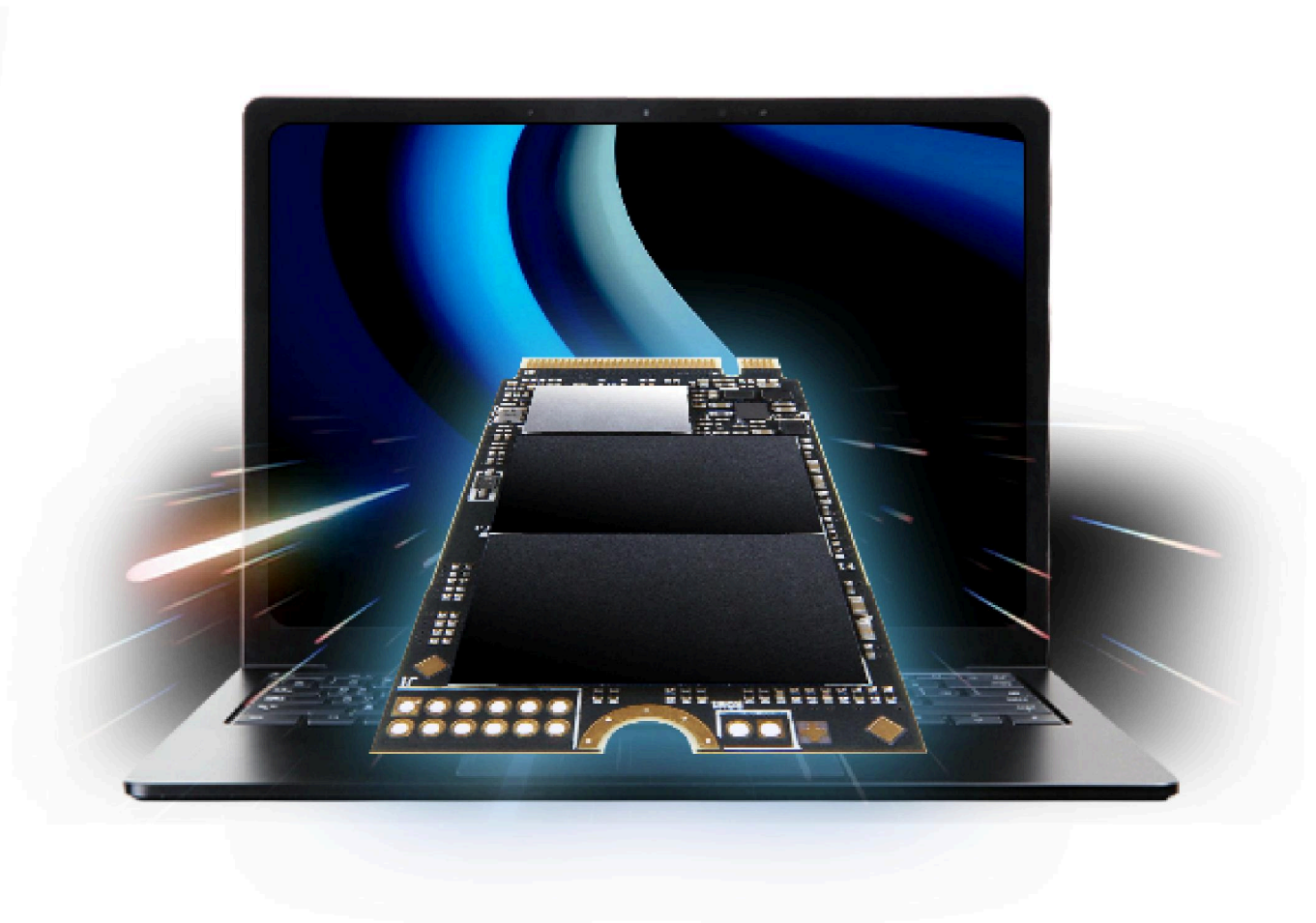


PCIe SSD 410S

Transcend's PCIe Gen 4x4 M.2 SSD MTE410S 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, such as SLC caching and the LDPC ECC mechanism, which help to improve both storage reliability and extend the drive lifespan. The MTE410S is a fantastic choice for boosting the performance of modern work platforms.

Blazing Fast

Featuring a high-speed PCIe Gen 4x4 interface, Transcend's MTE410S SSD delivers lightning-fast transfer speeds. Transcend's MTE410S offers optimal peak performance without consuming minimal power in your ultra-thin devices.



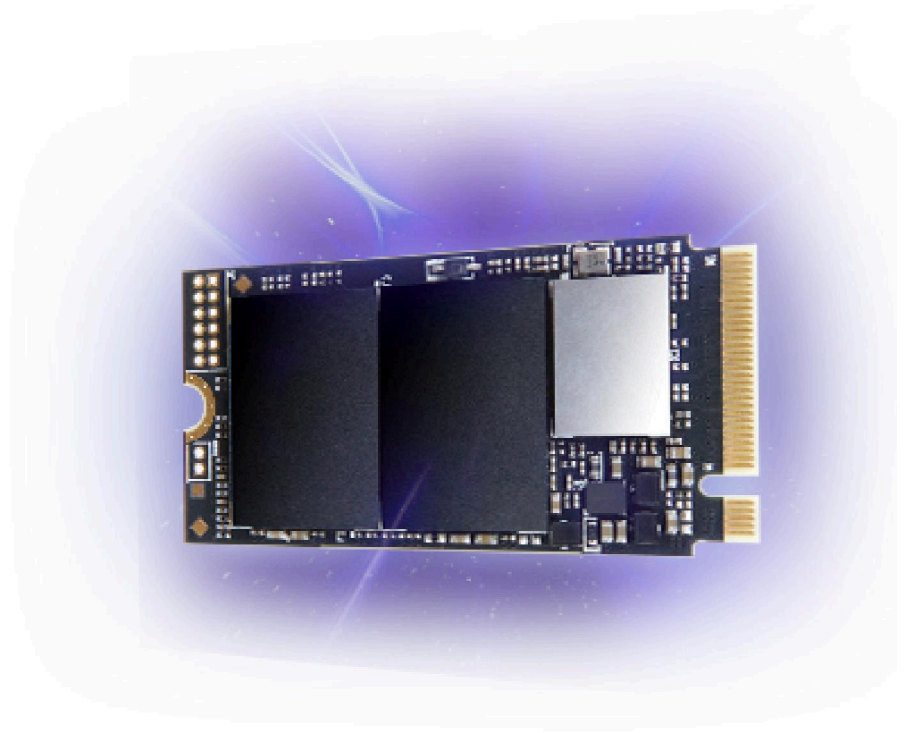
Upgrade Your Slim Devices

At just 42mm in length, Transcend's MTE410S SSD is ideal for Ultrabooks, lightweight notebooks, tablets, and handheld gaming PCs. With a single-sided design, Transcend's MTE410S SSD gives your device a much-needed boost while being space-efficient!



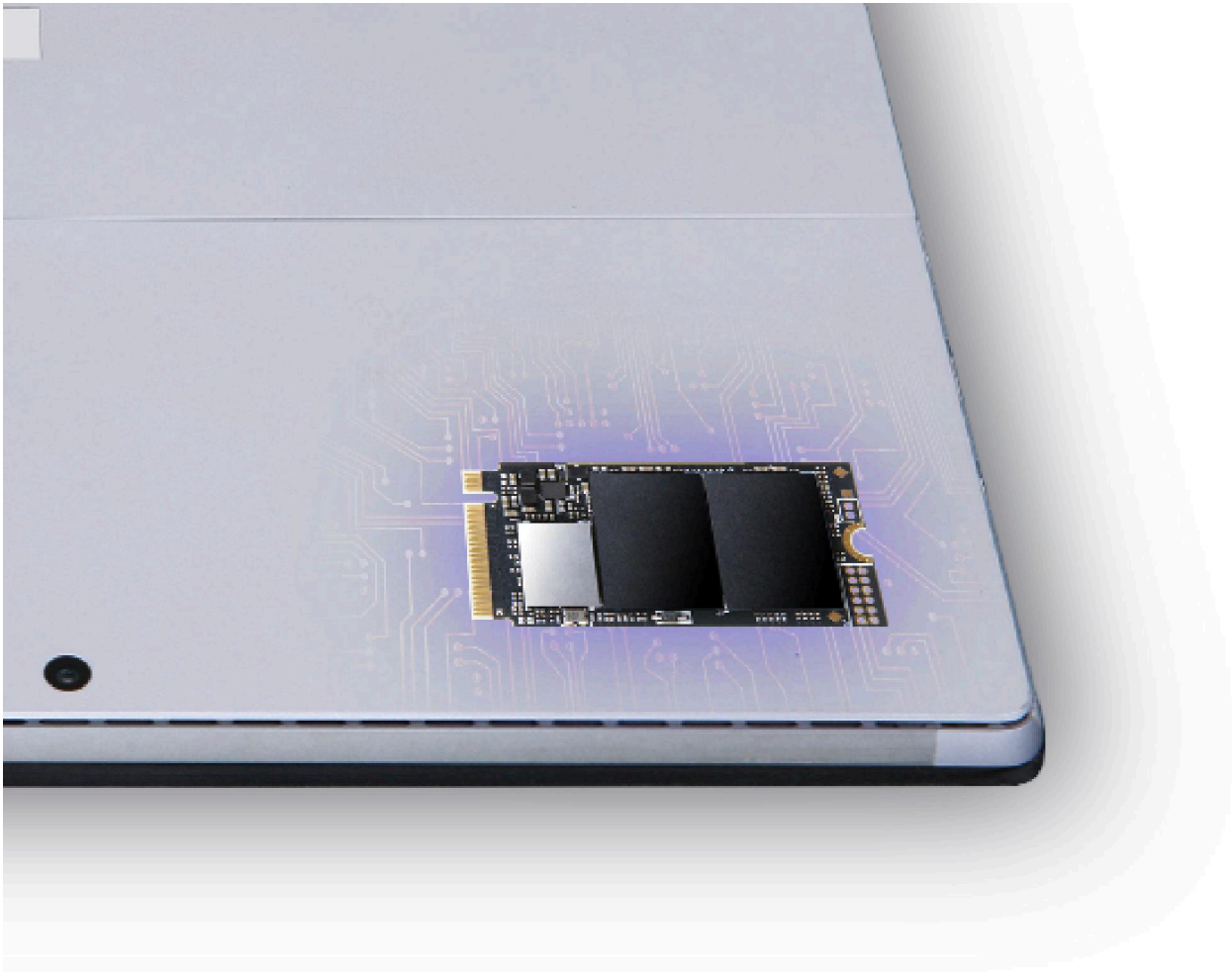
Low Power Consumption

Transcend's MTE410S is a non-DRAM energy-efficient SSD, which effectively reduces power consumption and enhances energy efficiency at a more affordable price point.



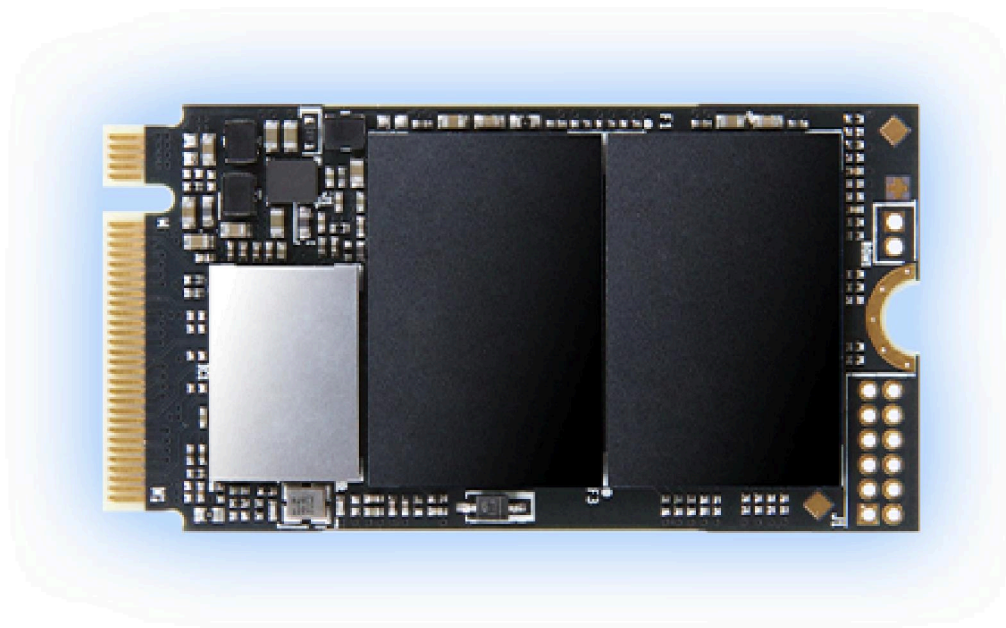
A Small Behemoth

Transcend's MTE410S SSD is designed in the M.2 2242 form factor with a single-sided design. With up to 2TB of storage capacity, the MTE410S offers excellent storage space for your slim devices.



Always Reliable. Always Evolving.

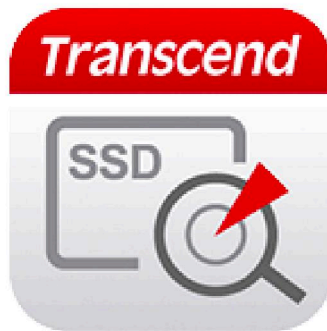
Despite its compact dimensions, the MTE410S SSD contains advanced features that ensure secure data storage and a prolonged lifespan.



SSD Scope Software

Transcend SSD Scope's user-friendly software has tools that make it easy to ensure your Transcend SSD always remains in tip-top shape for whenever you need it.

[Learn more \(/support/software/ssd-scope\)](https://support/software/ssd-scope)



Quality Guaranteed

Transcend's solid state drives are built according to the highest standards and rigorously tested to ensure outstanding quality, performance, and reliability.

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 Gen4 x4
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Storage

Flash Type	3D NAND flash
Capacity	256 GB / 512 GB / 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)	2 TB	Up to 5,000/4,300 MB/s
	1 TB	Up to 5,000/3,500 MB/s
	512 GB	Up to 5,000/3,500 MB/s
	256 GB	Up to 3,300/1,600 MB/s
4K Random Read/Write (IOMeter)	2 TB	Up to 570,000/700,000 IOPS
	1 TB	Up to 330,000/690,000 IOPS
	512 GB	Up to 330,000/590,000 IOPS
	256 GB	Up to 190,000/370,000 IOPS
Terabytes Written (TBW)	2 TB	1200 TBW
	1 TB	600 TBW
	512 GB	300 TBW
	256 GB	150 TBW
Mean Time Between Failures (MTBF)	2,000,000 hour(s)	
Drive Writes Per Day (DWPD)	0.33 (5 yrs)	
Note	<ul style="list-style-type: none">Speed may vary due to host hardware, software, usage, and storage capacity.The workload used to rate DWPD may be different from your actual workload, which may vary due to host hardware, software, usage, and storage capacity.Terabytes Written (TBW) expresses the endurance under the highest capacity.Some motherboards only provide PCIe x2 connections for the M.2 slot, creating a bottleneck on even the fastest drives.	

Warranty

Certificate	CE / UKCA / FCC / KC / RCM
Warranty	Five-year Limited Warranty
Warranty Policy	<ul style="list-style-type: none">Please click here (/Warranty) for more information about the Transcend Warranty Policy.Warranty does not apply when SSD Scope's lifetime indicator displays 0% within the warranty coverage.

System Requirement

Operating System	<ul style="list-style-type: none">Microsoft Windows 7 or laterLinux Kernel 2.6.31 or later
Note	Systems for use with the PCIe M.2 SSD must have an M.2 connector with only an M key. B-key connectors are not compatible. Improper insertion may lead to damage. Please click here (/Support/FAQ-1206) for more information.

Technology

S.M.A.R.T.	✓
Advanced Garbage Collection	✓
RAID Engine	✓
LDPC Coding	✓
DRAM Cache	-

Order Information

256GB

TS256GMTE410S

512GB

TS512GMTE410S

1TB

TS1TMTE410S

2TB

TS2TMTE410S



Product Sheet

(<https://CDN.transcend-info.com/products/images/modelpic/1313/Transcend-MTE410S.pdf>)



Support

(</support/product/internal-ssd/mte410s>)

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