



PCIe M.2 SSDs PCIe SSD 112S

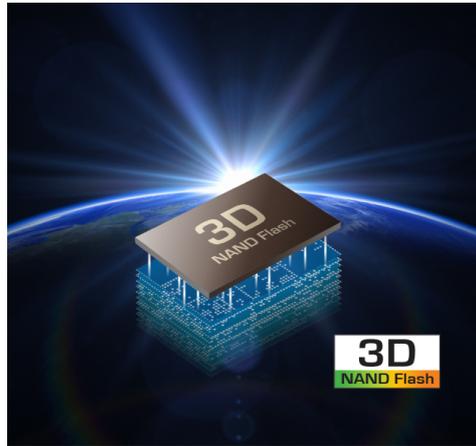
Transcend's PCIe SSD 112S features top-quality 3D NAND flash memory and a single-sided design to enhance storage density in support of read/write-intensive workloads. Utilizing a PCI Express® Gen3 x4 high-speed interface, read speed is up to 1,700 MB/s while write speed is up to 1,400 MB/s. Transcend's PCIe SSD 112S is a compact and efficient solution!



Compelling performance for high-end applications

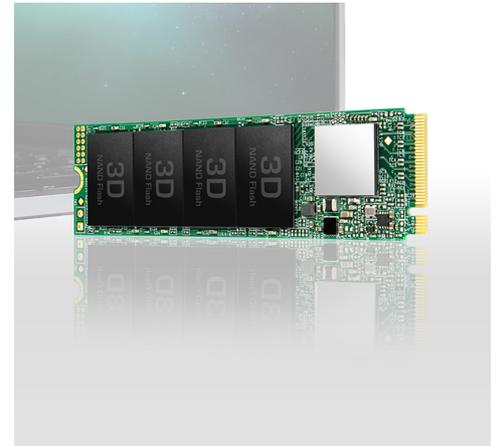
Transcend's PCIe SSD 112S follows the NVMe 1.3 standard and utilizes the PCIe™ Gen3 x4 interface, meaning four lanes are used for transmitting and receiving data simultaneously, resulting in compelling performance of up to 1,700MB/s read and 1,400MB/s write.

Note: Performance is based on CrystalDiskMark v5.0.2.



3D expansion to break through limits

Unlike planar NAND chips, 3D NAND flash is composed of memory cells stacked vertically in multiple layers. 3D NAND was developed to break through density limitations of 2D planar NAND and delivers a higher level of performance and endurance.



Single-sided for a perfect fit with smaller devices

Compliant with M.2 form factor Type 2280, Transcend's PCIe SSD 112S is just 80mm long and comes in a single-sided layout. This means only one side of the SSD has components attached to it - making the PCIe SSD 112S the perfect solution for small form-factor laptops and ultra-light PCs. The PCIe SSD 112S makes for an easy upgrade to your computer, taking up little space while giving it a much-needed energy boost.



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Features

- Uses PCIe Gen3 x4 interface and meets NVMe 1.3 standard
- Up to 1,700 MB/s read; 1,400 MB/s write
- 3D NAND flash to enhance storage density
- Small form factor and single-sided layout for compact devices



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.

Specification

Appearance

Dimensions	512GB/1TB: 80 mm x 22 mm x 2.23 mm (3.15" x 0.87" x 0.09")
Weight	8 g (0.28 oz)
M.2 Type	2280-S2-M (Single-sided)

Interface

Bus Interface	NVMe PCIe Gen3 x4
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Storage

Flash Type	3D NAND flash
Capacity	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, max.)	Read: up to 1,700 MB/s Write: up to 1,400 MB/s
4K Random Read/Write (IOMeter, max.)	Read: up to 160,000 IOPS Write: up to 140,000 IOPS
Mean Time Between Failures (MTBF)	2,000,000 hour(s)
Drive Writes Per Day (DWPD)	0.2 (5 yrs)
Terabytes Written (Max.)	400 TBW

Warranty

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

Ordering Information

512GB	TS512GMTE112S
1TB	TS1TMTE112S