PCIe M.2 SSDs

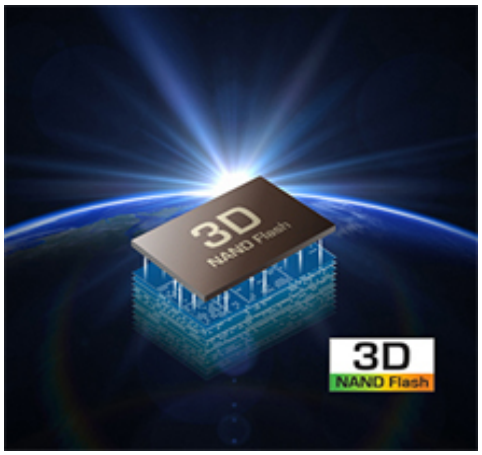
PCIe SSD 110S & 112S

Transcend's PCIe SSD 110S/112S utilizes the PCI Express® Gen3 x4 interface supported by the latest NVMe™ standard, to unleash next-generation performance. The PCIe SSD 110S/112S aims at high-end applications, such as digital audio/video production, gaming, and enterprise use, which require constant processing heavy workloads with no system lags or slowdowns of any kind. Powered by 3D NAND flash memory, the PCIe SSD 110S/112S gives you not only fast transfer speeds but unmatched reliability.

Compelling performance for high-end applications

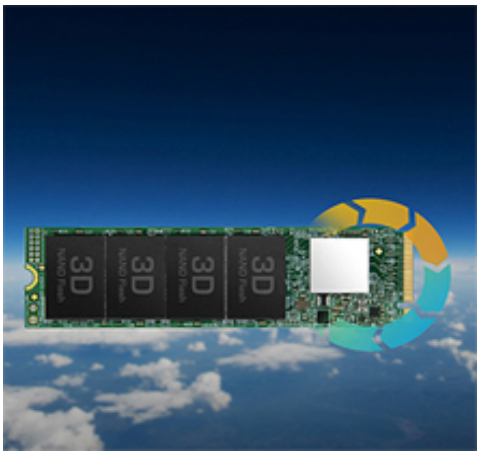
Transcend's PCIe SSD 110S/112S follows NVMe 1.3 and utilizes the PCIe™ Gen3 x4 interface, meaning four lanes are used for transmitting and receiving data simultaneously, resulting in compelling performance of up to 2,500MB/s read and 1,700MB/s write.

Note: Performance is based on CrystalDiskMark v5.0.2.



3D expansion to break through limits

Unlike the existing planar NAND chips, 3D NAND flash is a type of flash memory in which the memory cells are stacked vertically in multiple layers. 3D NAND is developed to break through density limitations of the 2D planar NAND, and thus can deliver a greater level of performance and endurance.



Better endurance, higher reliability

Transcend's PCIe SSD 110S/112S is engineered with LDPC (Low-Density Parity Check) coding, a powerful ECC algorithm, to keep data secure. Manufactured with high-quality NAND flash chips, and engineered dynamic thermal throttling mechanism, the PCIe SSD 110S/112S guarantees superior endurance and stability for high-end applications.

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Features

- 3D NAND flash
- PCIe Gen3 x4 interface and meets NVMe 1.3 standard
- Space-saving M.2 Type 2280 form factor
- Engineered with LDPC (Low-Density Parity Check) coding to ensure data integrity

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 2.23 mm (3.15" x 0.87" x 0.09") Double-sided: 80 mm x 22 mm x 3.58 mm (3.15" x 0.87" x 0.14")
Weight	8 g (0.28 oz)
Type	M.2 2280

Interface

Bus Interface	NVMe PCIe Gen3 x4

Storage

Flash Type	3D NAND flash
Capacity	128 GB / 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)	Read: up to 2,500 MB/s Write: up to 1,700 MB/s
4K Random Read/Write (IOmeter)	Read: up to 200,000 IOPS Write: up to 250,000 IOPS
Mean Time Between Failures (MTBF)	2,000,000 hour(s)
Drive Writes Per Day (DWPD)	0.2 (5 yrs)
Terabytes Written (TBW)	up to 800 TBW

Warranty

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

Ordering Information

128GB	TS128GMTE110S
256GB	TS256GMTE110S TS256GMTE112S
512GB	TS512GMTE110S TS512GMTE112S
1TB	TS1TMTE110S TS1TMTE112S
2TB	TS2TMTE110S

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