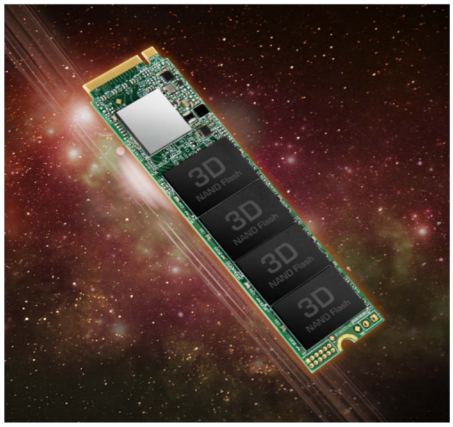
PCIe M.2 SSDs

PCIe SSD 110Q

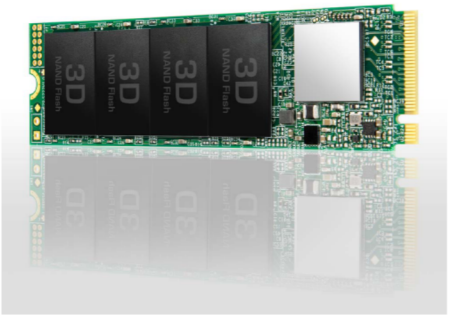
Transcend's PCIe® SSD 110Q utilizes top-notch technology QLC 3D NAND to enhance storage density that supports read/write intensive workload. Implemented with PCI Express® Gen3 x4 high-speed interface, the read speed is up to 2,000 MB/s while write speed is up to 1,500 MB/s. To upgrade your computing devices, SSD 110Q is the most economical solution for all!



Best performance in the extreme

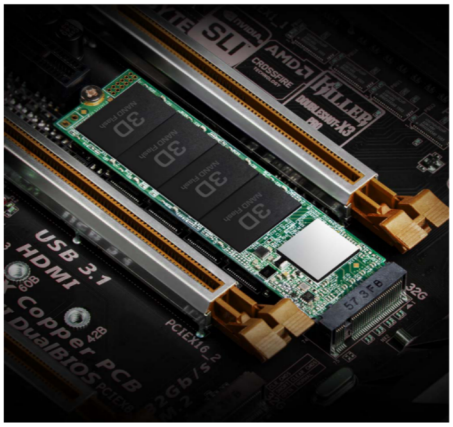
Transcend's PCIe SSD 110Q follows NVMe 1.3 and utilizes the PCIe Gen3 x4 interface, meaning four lanes are used for transmitting and receiving data simultaneously, resulting in compelling performance of up to 2,000MB/s read and 1,500MB/s write.

Note: Performance is based on CrystalDiskMark v5.0.2.



Less is more

Leveraging QLC 3D NAND technology, PCIe SSD 110Q stacks 4-bit-per-cell vertically to enhance the storage density. QLC NAND supports read/write intensive applications, and leads SSD 110Q to become one of the flash memories with the highest density in the market. More than that, 500GB and 1 TB storage options are available. Users can store as much data as they want!



Understanding the NVMe PCIe interface

NVMe® (or NVM Express®) is a host controller interface standard designed to address the needs of enterprise and client applications that utilize PCIe®(PCI Express®) solid-state storage. NVMe calls for better performance vectors than AHCI (Advanced Host Controller Interface), including scalable bandwidth, increased IOPS, and low latency.

PCIe M.2 SSDs

PCIe SSD 110Q

Features

- QLC 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	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	QLC NAND flash
Capacity	500 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 1,500 MB/s
4K Random Read/Write (IOmeter)	Read: up to 170,000 IOPS Write: up to 250,000 IOPS
Mean Time Between Failures (MTBF)	2,000,000 hour(s)
Drive Writes Per Day (DWPD)	0.27 (3 yrs)
Note	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 / FCC / BSMI / KC / RCM / UKCA
Warranty	Three-year Limited Warranty

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