2.5" SSDs

SATA III 6Gb/s SSD220Q

Transcend's SATA III 6 Gb/s SSD220Q uses the latest QLC NAND technology, which employs a higher density of storage cells. By using high-quality flash memory and enhanced firmware algorithms, the SSD220Q delivers greater performance and reliability.

Less is More

Featuring QLC NAND Flash, SSD220Q's storage density per cell boosts 33%. More storage capacity is unleashed for more data. Your performance is no longer limited. Unlock your potential now!

Performance Boost for Everyday Computing

Taking full advantage of the SATA III 6 Gb/s interface and built-in SLC caching technology, Transcend's SSD220Q achieves exceptional transfer speeds of up to 550 MB/s read and 500 MB/s write.

Guaranteed Endurance and Reliability

Transcend's SSD220Q offers great terabytes written (TBW) values (up to 400 TBW) indicating the total amount of data you can write on the drive over its lifetime.

2.5" SSDs
SATA III 6Gb/s SSD220Q

Features

- QLC NAND flash
- Engineered with a RAID engine and LDPC (Low-Density Parity Check) coding to ensure data integrity
- Built-in SLC caching technology for exceptional transfer speeds
- Supports DevSleep ultra low power state, S.M.A.R.T., TRIM, and NCQ commands

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	100 mm x 69.85 mm x 6.8 mm (3.94" x 2.75" x 0.28")
Weight	45 g (1.59 oz)

Interface

Bus Interface	SATA III 6Gb/s

Storage

Flash Type	QLC NAND flash
Capacity	500 GB / 1 TB / 2 TB

Operating Environment

Operating Temperature	0°C (32°F) ~ 70°C (158°F)
Operating Voltage	5V±5%

Performance

Sequential Read/Write (CrystalDiskMark)	Read: up to 550 MB/s Write: up to 500 MB/s
4K Random Read/Write (IOmeter)	Read: up to 81,000 IOPS Write: up to 80,000 IOPS
Mean Time Between Failures (MTBF)	2,000,000 hour(s)
Drive Writes Per Day (DWPD)	0.19 (3 yrs)
Terabytes Written (TBW)	up to 400 TBW
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.

Warranty

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

Ordering Information

500GB	TS500GSSD220Q
1TB	TS1TSSD220Q
2TB	TS2TSSD220Q

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