## 2.5" Solid State Drive

# 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

6Gb/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.

# Transcend®

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# SATA III 6Gb/s SSD220Q

## Features

- Up to 550 MB/s read; 500 MB/s write
- QLC NAND flash memory
- 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
- Download the SSD Scope software from Transcend's official website

### SSD Scope Software

Transcend SSD Scope is advanced, user-friendly software that makes it easy to ensure your Transcend SSD remains healthy, and continues to run fast and error-free by determining the condition and optimizing the performance of your drive.

## Specification

### 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) |

### 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, max.) | Read: 550 MB/s Write: 500 MB/s |
| 4K Random Read/Write (IOmeter, max.) | Read: 81,000 IOPS Write: 80,000 IOPS |
| Mean Time Between Failures (MTBF) | 2,000,000 hour(s) |
| Terabytes Written (Max.) | 400 TB |
| Drive Writes Per Day (DWPD) | 0.19 (3 yrs) |
| Note | Speed may vary due to host hardware, software, usage, and storage capacity. |

## Ordering Information

| | |
|---|---|
| 500GB | TS500GSSD220Q |
| 1TB | TS1TSSD220Q |
| 2TB | TS2TSSD220Q |

Made in Taiwan