



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.



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## 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<br>Write: up to 500 MB/s                                                                                                                                                                                                                                                                        |
| 4K Random Read/Write (IOMeter)          | Read: up to 81,000 IOPS<br>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.<br>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.<br>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.