



2.5" SSDs

SATA III 6Gb/s SSD220S

Transcend's SATA III 6Gb/s SSD220S uses the latest 3D NAND technology that features vertical, stacked expansion of storage cells. By using high-quality flash memory and enhanced firmware algorithms, the SSD220S delivers greater performance and reliability.



3D expansion to break through limits

Unlike planar NAND memory, 3D NAND flash features memory cells stacked vertically in multiple layers. 3D NAND overcomes density limitations of 2D planar NAND, and delivers a higher level of performance and endurance.



Performance boost for everyday computing

Taking full advantage of the SATA III 6Gb/s interface and built-in SLC caching technology, Transcend's SSD220S achieves exceptional transfer speeds of up to 550MB/s read and 500MB/s write.



Guaranteed endurance and reliability

Transcend's SSD220S offers great Terabytes Written (TBW) values (up to 320 TB) indicating the total amount of data you can write into the drive over its lifetime.



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Features

- 3D 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
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Storage

Flash Type	3D NAND flash
Capacity	120 GB / 240 GB / 480 GB / 960 GB

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 65,000 IOPS Write: up to 75,000 IOPS
Mean Time Between Failures (MTBF)	2,000,000 hour(s)
Drive Writes Per Day (DWPD)	0.3 (3 yrs)
Terabytes Written (TBW)	up to 320 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.

For Mac users please visit our Apple Solutions [here](#).

Warranty

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

Ordering Information

120GB	TS120GSSD220S
240GB	TS240GSSD220S
480GB	TS480GSSD220S
960GB	TS960GSSD220S