



2.5" SSDs

SATA III 6Gb/s SSD230S

Transcend's SATA III 6Gb/s SSD230S 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 SSD230S 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 SSD230S achieves exceptional transfer speeds of up to 560MB/s read and 520MB/s write.



Guaranteed endurance and reliability

Transcend's SSD230S offers great Terabytes Written (TBW) values (up to 2,240 TB) indicating the total amount of data you can write into the drive over its lifetime.



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Features

- 3D NAND flash
- DDR3 DRAM cache shortens access times
- 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	53 g (1.87 oz)

Interface

Bus Interface	SATA III 6Gb/s
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Storage

Flash Type	3D NAND flash
Capacity	128 GB / 256 GB / 512 GB / 1 TB / 2 TB / 4 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 560 MB/s Write: up to 520 MB/s
4K Random Read/Write (IOMeter)	Read: up to 90,000 IOPS Write: up to 85,000 IOPS
Mean Time Between Failures (MTBF)	2,000,000 hour(s)
Drive Writes Per Day (DWPD)	0.3 (5 yrs)
Terabytes Written (TBW)	up to 2240 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 / UKCA
Warranty	Five-year Limited Warranty

Ordering Information

128GB	TS128GSSD230S
256GB	TS256GSSD230S
512GB	TS512GSSD230S
1TB	TS1TSSD230S
2TB	TS2TSSD230S
4TB	TS4TSSD230S