Transcend®

www.transcend-info.com



2.5" Solid State Drive

SATA III 6Gb/s SSD370S

Transcend's SATA III 6Gb/s SSD370S boasts incredibly fast transfer speeds, MLC NAND flash memory, a compact and lightweight design, and shock and vibration resistance. With this solid state drive, you will enjoy a seamless, lag-free computing experience.



MLC NAND flash inside

Transcend's SSD370S is manufactured with reliable, top-tier MLC NAND flash memory to ensure superior stability and endurance, making it well-suited to high-end applications.



Performance boost for everyday computing

Taking full advantage of the SATA III 6Gb/s interface, DDR3 DRAM cache and a powerful controller, Transcend's SSD370S delivers blazing-fast read and write speeds of up to 530MB/s and 460MB/s.



Guaranteed endurance and reliability

Transcend's SSD370S offers great Terabytes Written (TBW) values (up to 2,940 TB) indicating the total amount of data you can write into the drive over its lifetime. It also features Error Correcting Code (ECC), Garbage Collection, Wear-leveling, and DevSleep.

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2.5" Solid State Drive

SATA III 6Gb/s SSD370S

Features

- Up to 530 MB/s read; 460 MB/s write
- MLC NAND flash memory and DDR3 DRAM cache
- Engineered with ECC (Error Correcting Code) to ensure data integrity
- 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 (Max.)	100 mm x 69.85 mm x 6.8 mm (3.94" x 2.75" x 0.28")
Weight (Max.)	57 g (2.01 oz)

Storage

Flash Type	MLC NAND flash
Capacity	32 GB / 64 GB / 128 GB / 256 GB / 512 GB / 1 TB

Operating Environment

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

Performance

Sequential Read/Write (CrystalDiskMark, max.)	Read: 530 MB/s Write: 460 MB/s
4K Random Read/Write (IOmeter, max.)	Read: 75,000 IOPS Write: 75,000 IOPS
Mean Time Between Failures (MTBF)	2,000,000 hour(s)
Terabytes Written (Max.)	2,940 TB
Drive Writes Per Day (DWPD)	2.5 (3 yrs)
Note	Speed may vary due to host hardware, software, usage, and storage capacity.

Warranty

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

Ordering Information

32GB	TS32GSSD370S
64GB	TS64GSSD370S
128GB	TS128GSSD370S
256GB	TS256GSSD370S
512GB	TS512GSSD370S
1TB	TS1TSSD370S

Product specifications are subject to change without notice. Pictures shown may differ from actual products. When used as a storage capacity unit, one terabyte (TB) = one trillion bytes. Total accessible capacity varies depending on operating environment.

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2.5" SSD Comparison



SATA III 6Gb/s
SSD220Q



SATA III 6Gb/s
SSD230S



SATA III 6Gb/s
SSD220S



SATA III 6Gb/s
SSD370S

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)	53 g (1.87 oz)	45 g (1.59 oz)	57 g (2.01 oz)
Storage				
Flash Type	QLC NAND flash	3D NAND flash	3D NAND flash	MLC NAND flash
Capacity	500GB / 1TB	128GB ~ 2TB	120GB ~ 960GB	32GB ~ 1TB
Operating Environment				
Operating Temperature	0°C (32°F) ~ 70°C (158°F)			
Performance				
Sequential Read/Write (CrystalDiskMark)	550 MB/s 500 MB/s	560 MB/s 520 MB/s	550 MB/s 500 MB/s	530 MB/s 460 MB/s
4K Random Read/Write (IOmeter)	57,000 IOPS 59,000 IOPS	85,000 IOPS 89,000 IOPS	65,000 IOPS 75,000 IOPS	75,000 IOPS 75,000 IOPS
Mean Time Between Failures (MTBF)	2,000,000 hour(s)	2,000,000 hour(s)	2,000,000 hour(s)	2,000,000 hour(s)
Terabytes Written (TBW)	200 TB	1,120 TB	320 TB	2,940 TB
Drive Writes Per Day (DWPD)	0.19 (3 yrs)	0.3 (5 yrs)	0.3 (3 yrs)	2.5 (3 yrs)
Warranty				
Warranty	Three-year Limited Warranty	Five-year Limited Warranty	Three-year Limited Warranty	Three-year Limited Warranty
Technology				
TRIM & NCQ Command	✓	✓	✓	✓
S.M.A.R.T.	✓	✓	✓	✓
DDR3 DRAM Cache	-	✓	-	✓
Advanced Garbage Collection	✓	✓	✓	✓
DevSleep Mode	✓	✓	✓	✓
RAID Engine	✓	✓	✓	-
LDPC Coding	✓	✓	✓	-

*Speed may vary due to host hardware, software, usage, and storage capacity.

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