



2.5" Solid State Drive
SATA III 6Gb/s SSD340K

Transcend's SATA III 6Gb/s SSD340K 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 SSD340K 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 SSD340K delivers blazing-fast read and write speeds of up to 550MB/s and 330MB/s.



Guaranteed endurance and reliability

Transcend's SSD340K offers great Terabytes Written (TBW) values (up to 282 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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Features

- Up to 550 MB/s read; 330 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 0.27")
Weight (Max.)	59 g (2.08 oz)

Storage

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

Operating Environment

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

Performance

Sequential Read/Write (ATTO, max.)	Read: 550 MB/s Write: 330 MB/s
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Sequential Read/Write (CrystalDiskMark, max.)	Read: 510 MB/s Write: 320 MB/s
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4K Random Read/Write (IOMeter, max.)	Read: 75,000 IOPS Write: 80,000 IOPS
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Mean Time Between Failures (MTBF)	1,500,000 hour(s)
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Terabytes Written (Max.)	282 TB
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Note	Speed may vary due to host hardware, software, usage, and storage capacity.
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Warranty

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

Ordering Information

32GB	TS32GSSD340K
64GB	TS64GSSD340K
128GB	TS128GSSD340K
256GB	TS256GSSD340K

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.

2.5" SSD Comparison



SATA III 6Gb/s
SSD230S



SATA III 6Gb/s
SSD220S



SATA III 6Gb/s
SSD370S



SATA III 6Gb/s
SSD360S



SATA III 6Gb/s
SSD340K

Appearance

Dimensions (Max.)	100 mm x 69.85 mm x 6.8 mm (3.94" x 2.75" x 0.28")				
Weight (Max.)	53 g (1.87 oz)	45 g (1.59 oz)	63 g (2.22 oz)	58 g (2.05 oz)	59 g (2.08 oz)

Storage

Flash Type	3D NAND flash	3D NAND flash	MLC NAND flash	MLC NAND flash	MLC NAND flash
Capacity	128GB ~ 2TB	120GB ~ 480GB	32GB ~ 1TB	32GB ~ 256GB	32GB ~ 256GB

Operating Environment

Operating Temperature	0°C (32°F) ~ 70°C (158°F)	0°C (32°F) ~ 60°C (140°F)	0°C (32°F) ~ 70°C (158°F)	0°C (32°F) ~ 70°C (158°F)	0°C (32°F) ~ 70°C (158°F)
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Performance

Sequential Read/Write (ATTO, max.)	-	540 MB/s 500 MB/s	560 MB/s 460 MB/s	560 MB/s 500 MB/s	550 MB/s 330 MB/s
Sequential Read/Write (CrystalDiskMark, max.)	560 MB/s 520 MB/s	530 MB/s 500 MB/s	520 MB/s 460 MB/s	540 MB/s 480 MB/s	510 MB/s 320 MB/s
4K Random Read/Write (IOmeter, max.)	85,000 IOPS 89,000 IOPS	50,000 IOPS 75,000 IOPS	75,000 IOPS 75,000 IOPS	60,000 IOPS 86,000 IOPS	75,000 IOPS 80,000 IOPS
Mean Time Between Failures (MTBF)	1,000,000 hour(s)	1,000,000 hour(s)	1,000,000 hour(s)	1,000,000 hour(s)	1,500,000 hour(s)
Terabytes Written (Max.)	1120 TB	160 TB	408 TB	230 TB	282 TB
Drive Writes Per Day (DWPD)	0.3 (5 yrs)	0.3 (3 yrs)	0.19 (3 yrs)	0.42 (3 yrs)	-

Warranty

Warranty	Five-year Limited Warranty	Three-year Limited Warranty	Three-year Limited Warranty	Three-year Limited Warranty	Three-year Limited Warranty
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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.