2.5" SATA III SSD

SSD570K

Featuring a SATA III 6Gb/s interface and a powerful controller, Transcend's SSD510K is an ideal high-speed, lightweight, and shockproof replacement for traditional rotating hard drives. Employing Transcend's exclusive SuperMLC technology, the SSD510K provides superior reliability and endurance nearly equivalent to SLC NAND flash, yet at a cost-effective price. The SSD510K is for use in industrial-grade applications, such as embedded automation computers, engineering machines, and fanless PCs.

Features

- Advanced Global Wear-Leveling and Block management for reliability
- Advanced Garbage Collection
- DDR3 DRAM Cache embedded
- Built-in ECC (Error Correction Code) functionality
- DEVSLP mode
- Enhanced S.M.A.R.T. function
- RoHS compliant
- Shock resistance
- Slim, elegant and lightweight design

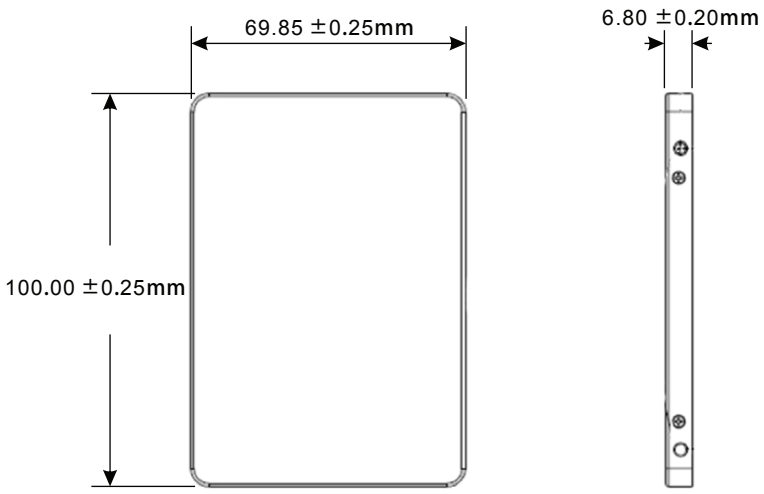
Ordering Information

8GB	TS8GSSD570K
16GB	TS16GSSD570K
32GB	TS32GSSD570K
64GB	TS64GSSD570K
128GB	TS128GSSD570K

Specifications

Appearance	Dimensions (Max.)	100 mm x 69.85 mm x 6.8 mm (3.94" x 2.75" x 0.27")
	Weight (Max.)	63 g (2.22 oz)
	Form Factor	2.5″
Interface	Bus Interface	SATA III 6Gb/s
Storage	Flash Type	SLC NAND flash
	Capacity	8 GB/16 GB/32 GB/64 GB/128 GB
Operating Environment	Operating Voltage	5V±5%
	Operating Temperature	0°C (32°F) ~ 70°C (158°F)
	Storage Temperature	-40°C (-40°F) ~ 85°C (185°F)
	Humidity	0% ~ 95%
	Shock	1500 G, 0.5 ms, 3 axis
	Vibration (Operating)	5 G (peak-to-peak), 5 Hz ~ 800 Hz (frequency)
Power	Power Consumption (Operation)	3.46 watt(s)
	Power Consumption (Sleep)	0.3 watt(s)
Performance	Sequential Read/Write (ATTO, max.)	Read: 565 MB/s ; write: 465 MB/s
	Sequential Read/Write (CrystalDiskMark, max.)	Read: 540 MB/s ; write: 465 MB/s
	4K Random Read/Write (IOmeter, max.)	Read: 73,000 IOPS ; write: 83,000 IOPS
	Mean Time Between Failures (MTBF)	1,500,000 hour(s)
	Terabytes Written (Max.)	6,000 TB
	Drive Writes Per Day (DWPD)	43.25 (3 yrs)
	Certificate	CE/FCC/BSMI
Warranty	Warranty	Three-year Limited Warranty
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.	

Mechanical Specification



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.
Due to the complexity and variety of industrial applications, Transcend cannot guarantee 100% compatibility with all platforms and under all scenarios. For special applications and environments, it is strongly suggested that you contact Transcend beforehand for clarification.

Please feel free to contact us with any special requests you might have.
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