

Embedded Solutions

2.5" SATA III SSD SSD410K



Featuring a SATA III 6Gb/s interface and a powerful controller, Transcend's SSD410K is an ideal high-speed, lightweight, and shockproof replacement for traditional rotating hard drives. The SSD410K features a non-DRAM layout, providing higher reliability and lower power consumption than SSDs with a DRAM cache. Using MLC NAND flash chips with built-in technology including Power Failure Protection, ECC, and DEVSLP mode, the SSD410K offers optimum protection to data integrity on industrial-grade applications, such as POS, gaming machines, vending machines, and secure systems.

Features

- Non-DRAM cache embedded
- Advanced Global Wear-Leveling and Block management for reliability
- Advanced Garbage Collection
- Built-in ECC (Error Correction Code) functionality
- Power Shield embedded to prevent data loss in the event of sudden power outage
- DEVSLP mode
- Enhanced S.M.A.R.T. function
- RoHS compliant
- Shock resistance
- Slim, elegant and lightweight design

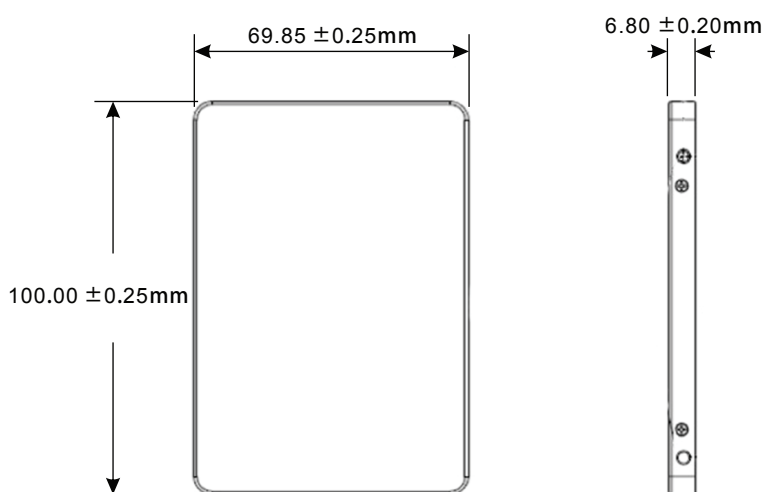
Ordering Information

64GB	TS64GSSD410K
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Specifications

Appearance	Dimensions	100 mm x 69.85 mm x 6.8 mm (3.94" x 2.75" x 0.27")
	Weight	58 g (2.05 oz)
	Form Factor	2.5"
Interface	Bus Interface	SATA III 6Gb/s
Storage	Flash Type	MLC NAND flash
	Capacity	64 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)	2.1 watt(s)
	Power Consumption (Sleep)	0.3 watt(s)
Performance	Sequential Read/Write (ATTO, max.)	Read: 540 MB/s ; write: 100 MB/s
	Sequential Read/Write (CrystalDiskMark, max.)	Read: 510 MB/s ; write: 100 MB/s
	4K Random Read/Write (IOMeter, max.)	Read: 35,000 IOPS / Write: 25,000 IOPS
	Mean Time Between Failures (MTBF)	1,000,000 hour(s)
	Terabytes Written (Max.)	80 TB
	Drive Writes Per Day (DWPD)	0.58 (3 yrs)
	Certificate	CE/FCC/BSMI
Warranty	Warranty	Three-year Limited Warranty
Note	<ul style="list-style-type: none"> • 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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