Embedded Solutions

2.5" SATA III SSD
SSD570KI
Wide Temperature

Featuring a SATA III 6Gb/s interface and a powerful controller, Transcend's SSD570KI is an ideal high-speed, lightweight and shockproof replacement for traditional rotating hard drives. With built-in Intelligent Power Shield (IPS), Transcend's SSD570KI provides extra protection to data integrity against sudden power failures or blackouts. Using SLC NAND flash chips, Transcend's SSD570KI ensures superior performance and reliability for industrial-grade applications, such as embedded automation computers, engineering machines, and fanless PCs. The SSD570KI has a wide operating temperature, allowing sustained functionality and reliability in extreme temperatures.

Features

- Advanced Global Wear-Leveling and Block management for reliability
- Advanced Garbage Collection
- DDR3 DRAM Cache embedded
- Built-in ECC (Error Correction Code) functionality
- Intelligent Power Shield (IPS) 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
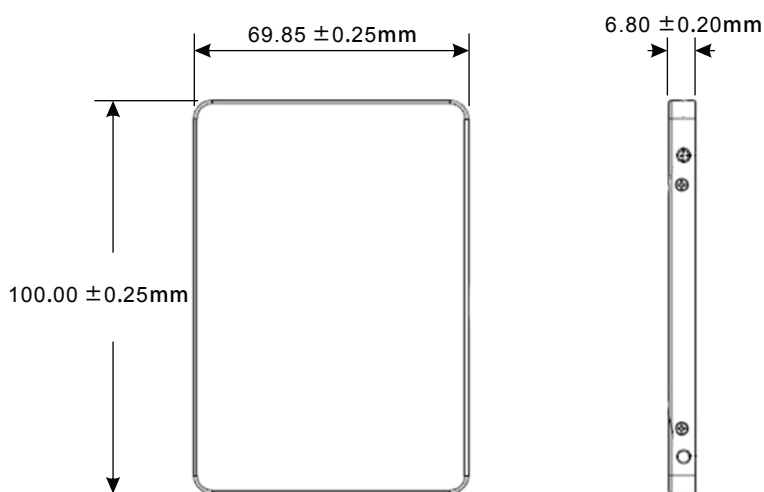- Slim, elegant and lightweight design

Ordering Information

32GB	TS32GSSD570KI
64GB	TS64GSSD570KI
128GB	TS128GSSD570KI

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	32 GB/64 GB/128 GB
Operating Environment	Operating Voltage	5V±5%
	Operating Temperature	-40°C (-40°F) ~ 85°C (185°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)	0.45 watt(s)
Performance	Sequential Read/Write (ATTO, max.)	Read: 565 MB/s ; write: 465 MB/s
	Sequential Read/Write (CrystalDiskMark, max.)	Read: 560 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)	43.3 (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

69.85 ±0.25mm

6.80 ±0.20mm

100.00 ±0.25mm

Product specifications are subject to change without notice. Pictures shown may differ from actual products. 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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