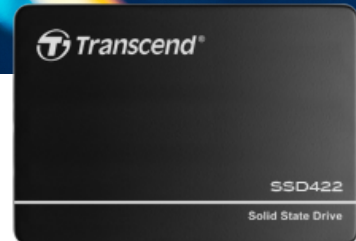


## Embedded Solutions



2.5" SATA SSDs

# SSD422K

Featuring the SATA III 6Gb/s interface, a powerful controller, and top-tier MLC NAND flash chips, Transcend's SSD422K ensures impeccable performance and reliability.

## Hardware Features

- Compliant with RoHS 2.0 standards
- MLC NAND flash
- DDR3 DRAM Cache embedded
- Promised operational reliability in a wide temperature range (from -40°C to 85°C)

## Firmware Features

- Enhanced S.M.A.R.T. function for durability
- Built-in BCH ECC (Error Correction Code) functionality
- Advanced Global Wear-Leveling and Block management for reliability
- Power-saving DevSleep (Device Sleep) mode

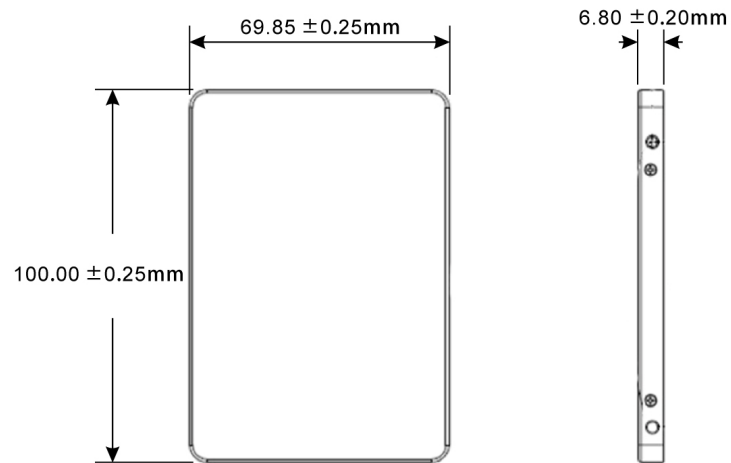
## Ordering Information

32GB	TS32GSSD422K
64GB	TS64GSSD422K
128GB	TS128GSSD422K
256GB	TS256GSSD422K
512GB	TS512GSSD422K
1TB	TS1TSSD422K

## Specifications

Appearance	Dimensions	100 mm x 69.85 mm x 6.8 mm (3.94" x 2.75" x 0.27")
	Weight	63 g (2.22 oz)
	Form Factor	2.5"
Interface	Bus Interface	SATA III 6Gb/s
Storage	Flash Type	MLC NAND flash
	Capacity	32 GB / 64 GB / 128 GB / 256 GB / 512 GB / 1 TB
Operating Environment	Operating Voltage	5V±5%
	Operating Temperature	Standard 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)	20 G (peak-to-peak), 7 Hz ~ 2000 Hz (frequency)
Power	Power Consumption (Operation)	3.2 watt(s)
	Power Consumption (Sleep)	0.6 watt(s)
Performance	Sequential Read/Write (CrystalDiskMark)	Read: up to 550 MB/s Write: up to 260 MB/s
	4K Random Read/Write (IOMeter)	Read: up to 67,000 IOPS Write: up to 58,000 IOPS
	Mean Time Between Failures (MTBF)	2,000,000 hour(s)
	Terabytes Written (TBW)	up to 360 TBW
	Drive Writes Per Day (DWPD)	2.6 (3 yrs)
	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. Terabytes Written (TBW) expresses the endurance under the highest capacity.
Warranty	Certificate	CE / FCC / BSMI
	Warranty	Three-year Limited Warranty
	Warranty Policy	Please click <a href="#">here</a> for more information about the Transcend Warranty Policy. Warranty does not apply when Scope Pro software wear-out indicator displays 0% within the warranty coverage. 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. Scope Pro software is required by request. Please contact us for more information.

## Mechanical Dimensions



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.