

Embedded Solutions



SATA III M.2 SSDs MTS930T

With the combination of larger storage capacity and lower production costs, Transcend's 3D TLC SSDs are the game-changer to the market, delivering endurance equivalent to what MLC-based solutions once prided themselves with. MTS930T with SATA III 6Gb/s interface, ultra compact dimensions and 3D NAND flash makes it best suited to address the high-performance needs and strict size limitations of small form factor devices, all while being extra cost-effective and brought to you at an attractive price.

Firmware Features

- Built-in LDPC ECC (Error Correction Code) functionality
Advanced Global Wear-Leveling and Block management for reliability
- Advanced Garbage Collection
Enhanced S.M.A.R.T. function for durability
- TRIM command for better performance
- NCQ command for better performance
- Power-saving DevSleep (Device Sleep) mode (optional)

Hardware Features

- Compliant with RoHS standards
- Space-saving M.2 form factor (80mm) – ideal for mobile computing devices
- Supports Transcend Scope Pro software

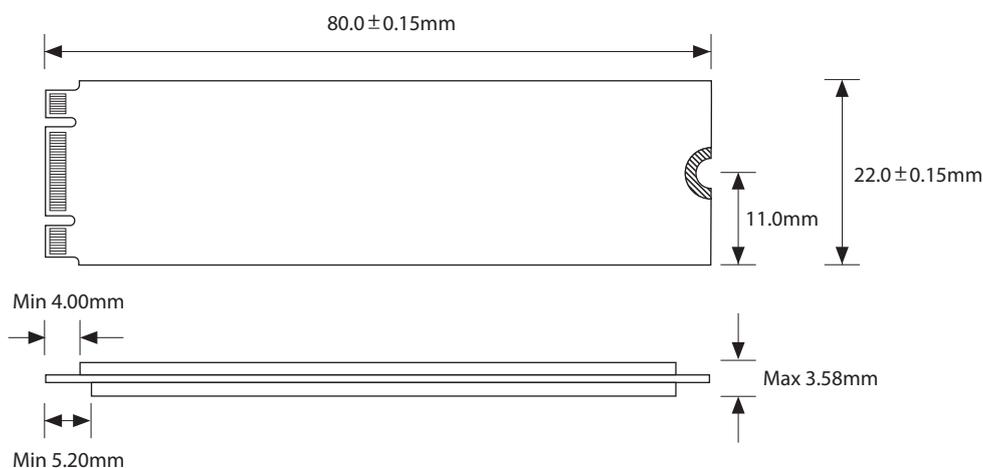
Ordering Information

64GB	TS64GMTS930T
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Specifications

Appearance	Dimensions	80.0 mm x 22.0 mm x 3.58 mm (3.15" x 0.87" x 0.14")
	Weight	8 g (0.28 oz)
	Form Factor	M.2
	M.2 Type	2280-S2-B-M
Interface	Bus Interface	SATA III 6Gb/s
Storage	Flash Type	3D NAND flash
	Capacity	64 GB
Operating Environment	Operating Voltage	3.3V±5%
	Operating Temperature	0°C (32°F) ~ 70°C (158°F)
	Storage Temperature	-40°C (-40°F) ~ 85°C (185°F)
	Humidity	5% ~ 95%
	Shock	1500 G, 0.5 ms, 3 axis
	Vibration	20 G (peak-to-peak), 5 Hz ~ 800 Hz (frequency)
Power	Power Consumption (Operation)	1.07 watt(s)
	Power Consumption (Sleep)	0.28 watt(s)
Performance	Sequential Read/Write (ATTO, max.)	Read: 500 MB/s; write: 200 MB/s
	Sequential Read/Write (CrystalDiskMark, max.)	Read: 500 MB/s; write: 200 MB/s
	4K Random Read/Write (IOmeter, max.)	Read: 40,000 IOPS; write: 45,000 IOPS
	Mean Time Between Failures (MTBF)	1,000,000 hour(s)
	Terabytes Written (Max.)	37.5 TBW
	Drive Writes Per Day (DWPD)	0.54 (3 yrs)
Warranty	Certificate	CE/FCC/BSMI
	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 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.



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