

Embedded Solutions



mSATA SSDs

SATA II 3Gb/s mSATA MSA630

Just one third the size of a business card, Transcend's mSATA MSA630 SSD lends itself to great design flexibility and cost savings. While small, mSATA MSA630 SSD features a high-bandwidth SATA 3Gb/s interface that helps bring the full performance benefits of SSD technology to tablets, ultrabooks, and other embedded storage applications.

Features

- RoHS compliant
- Fully compatible with devices and OS that support the SATA 3Gb/s standard
- Built-in ECC (Error Correction Code) functionality
- Power Shield
- Garbage Collection
- Support S.M.A.R.T. function
- Support Security Command
- Support StaticDataRefresh & EarlyRetirement technology to monitor error bit level and react before data is corrupted
- Advanced Global Wear-Leveling and Block management for reliability
- MLC NAND Flash

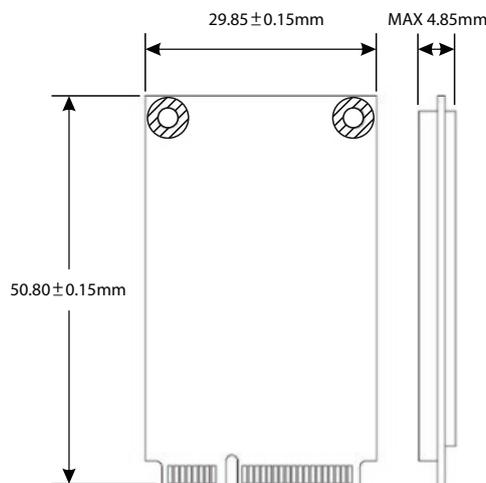
Ordering Information

32GB	TS32GMSA630
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Specifications

Appearance	Dimensions (Max.)	50.8 mm x 29.85 mm x 3.7 mm (2" x 1.18" x 0.15")
	Weight (Max.)	10 g (0.35 oz)
	mSATA Type	MO-300A
	Pin	52 pin
	Form Factor	mSATA
Interface	Bus Interface	mini PCIe
Storage	Flash Type	MLC NAND flash
	Capacity	32 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	0% ~ 95%
	Shock	1500 G, 0.5 ms, 3 axis
Power	Vibration (Operating)	3 G (peak-to-peak), 5 Hz ~ 800 Hz (frequency)
	Power Consumption (Operation)	1 watt(s)
Performance	Power Consumption (Sleep)	0.6 watt(s)
	Sequential Read/Write (CrystalDiskMark, max.)	Read: 225 MB/s; write: 40 MB/s
	4K Random Read/Write (IOMeter, max.)	Read: 14,385 IOPS; write: 3,555 IOPS
	Mean Time Between Failures (MTBF)	1,000,000 hour(s)
Warranty	Terabytes Written (Max.)	70 TB
	Certificate	CE/FCC/BSMI
Note	Warranty	Three-year Limited Warranty
	• Speed 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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