Embedded Solutions

mSATA SSDs
SATA III 6Gb/s MSA570

Supporting the next-generation Serial ATA interface and built around a powerful controller, Transcend's SATA III 6Gb/s MSA570 mSATA SSDs deliver blazing-fast performance and long-term reliability. The compact mSATA form factor is just one-eighth the size of a standard 2.5" SSD, making it perfect for use in space-constricted portable devices such as ultrabooks, tablet PCs, and slim servers.

Features

- RoHS compliant
- Advanced Global Wear-leveling and Block management for reliability
- Built-in ECC (Error Correction Code) functionality
- DDR3 DRAM cache
- Supports Advanced Garbage Collection, Enhanced S.M.A.R.T. function, Security Command, and Device Sleep Mode (DevSleep)
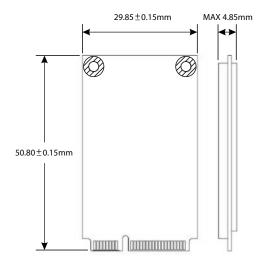- SLC NAND Flash

Ordering Information

8GB	TS8GMSA570

Specifications

Appearance	Dimensions (Max.)	50.8 mm x 29.85 mm x 4.85 mm (2" x 1.18" x 0.19")
	Weight (Max.)	8 g (0.28 oz)
	mSATA Type	MO-300
	Pin	52 pin
	Form Factor	mSATA
Interface	Bus Interface	SATA III 6Gb/s
Storage	Flash Type	SLC NAND flash
	Capacity	8 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
	Vibration (Operating)	3 G (peak-to-peak), 5 Hz ~ 800 Hz (frequency)
	Vibration (Non-operating)	5 G (peak-to-peak), 5 Hz ~ 800 Hz (frequency)
Power	Power Consumption (Operation)	1.49 watt(s)
	Power Consumption (Sleep)	0.36 watt(s)
Performance	Sequential Read/Write (ATTO, max.)	Read: 300 MB/s; write: 130 MB/s
	Sequential Read/Write (CrystalDiskMark, max.)	Read: 300 MB/s; write: 130 MB/s
	4K Random Read/Write (IOmeter, max.)	Read: 30,000 IOPS; write: 30,000 IOPS
	Mean Time Between Failures (MTBF)	1,500,000 hour(s)
	Terabytes Written (Max.)	200 TB
Warranty	Certificate	CE/FCC/BSMI
	Warranty	Three-year Limited Warranty
Note	• Speed may vary due to host hardware, software, usage, and storage capacity.	

Mechanical Dimensions

29.85±0.15mm   MAX 4.85mm

50.80±0.15mm

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