Embedded Solutions

mSATA SSDs

SATA II 3Gb/s mSATA MSM610

Fully compliant with mSATA specifications, Transcend's mSATA MSM610 mini SSD delivers the full performance benefits of SSD technology while measuring just 26.8 x 29.85 x 3.85mm. Combining ultra compact dimensions with a high-bandwidth SATA 3Gb/s interface, the mSATA MSM610 mini SSD is ideal for use in small form factor devices such as tablets, ultrabooks, and other embedded storage applications.

Features

- RoHS compliant
- Fully compatible with devices and OS that support the SATA 3Gb/s standard
- Compliant with JEDEC MO-300B
- Built-in ECC (Error Correction Code) functionality
- Power Shield
- Advanced Garbage Collection
- Supports Enhanced S.M.A.R.T. function
- Supports Security Command
- Hardware Purge and Write Protect
- Advanced Global Wear-Leveling and Block management for reliability
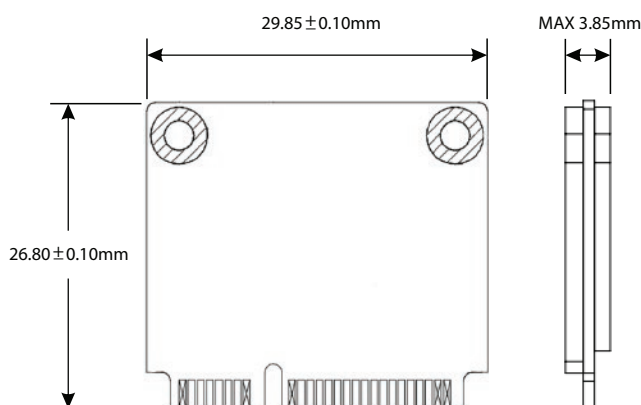- MLC NAND Flash

Ordering Information

16GB	TS16GMSM610
32GB	TS32GMSM610

Specifications

Appearance	Dimensions (Max.)	26.8 mm x 29.85 mm x 3.85 mm (1.06" x 1.18" x 0.15")
	Weight (Max.)	4 g (0.14 oz)
	mSATA Type	MO-300B
	Pin	52 pin
	Form Factor	mSATA
Interface	Bus Interface	SATA II 3Gb/s
Storage	Flash Type	MLC NAND flash
	Capacity	16 GB/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
	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)	0.86 watt(s)
	Power Consumption (Sleep)	0.54 watt(s)
Performance	Sequential Read/Write (CrystalDiskMark, max.)	Read: 150 MB/s; write: 42 MB/s
	4K Random Read/Write (IOmeter, max.)	Read: 3,517 IOPS; write: 252 IOPS
	Mean Time Between Failures (MTBF)	1,000,000 hour(s)
	Terabytes Written (Max.)	21 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±0.10mm   MAX 3.85mm

26.80±0.10mm

Please feel free to contact us with any special requests you might have.
Tel: +886-2-2792-8000   www.transcend-info.com

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