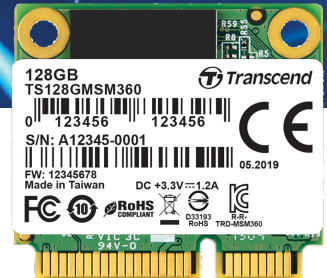**Embedded Solutions**

mSATA SSDs

SATA III 6Gb/s mSATA MSM360 & MSM360I Mini SSD

Fully compliant with mSATA specifications, Transcend's mSATA MSM360 mini SSD combines ultra-compact dimensions with a high-bandwidth SATA III 6Gb/s interface, ideal for use in small form factor devices such as ultrabooks, industrial PCs, tablets, ultra-light notebooks, vehicle PCs, road surveillance recording devices, and other embedded storage applications.

Transcend also offers the MSM360I with wide temperature(-40℃ ~ 85℃) capabilities to ensure sustained functionality, enhanced endurance and optimal reliability in mission-critical applications.

Features

- Compliant with JEDEC MO-300B
- Wide-temperature model available: promised operational reliability in a wide temperature range (from -40℃ ~ 85℃)
- Advanced Global Wear-Leveling and Block management for reliability
- Advanced Garbage Collection
- Security Command
- Built-in 66 bits per 1KByte ECC (Error Correction Code) functionality
- Enhanced S.M.A.R.T. function for durability
- Compliant with RoHS 2.0 standards
- Power-saving DevSleep (Device Sleep) mode (optional)
- Transcend SSD Scope Pro software
- MLC NAND Flash

Ordering Information

Standard (0℃~ 70℃)

16GB	TS16GMSM360
32GB	TS32GMSM360
64GB	TS64GMSM360
128GB	TS128GMSM360

Wide Temp. (-40℃~ 85℃)

16GB	TS16GMSM360I
32GB	TS32GMSM360I
64GB	TS64GMSM360I
128GB	TS128GMSM360I

Specifications

Appearance	Dimensions	26.8 mm x 29.85 mm x 3.85 mm (1.06" x 1.18" x 0.15")
	Weight	3 g (0.11 oz)
	mSATA Type	MO-300B
	Pin	52 pin
Interface	Bus Interface	SATA III 6Gb/s
Storage	Flash Type	MLC NAND flash
	Capacity	16 GB/32 GB/64 GB/128 GB
Operating Environment	Operating Voltage	3.3V±5%
	Operating Temperature	Standard: 0℃ (32°F) ~ 70℃ (158°F)
		Wide Temp.: -40℃ (-40°F) ~ 85℃ (185°F)
	Storage Temperature	-40℃ (-40°F) ~ 85℃ (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)	2.0 watt(s)
	Power Consumption (Sleep)	0.28 watt(s)
Performance	Sequential Read/Write (CrystalDiskMark, max.)	Read: 520 MB/s; write: 220 MB/s
	4K Random Read/Write (IOmeter, max.)	Read: 35,000 IOPS; write: 50,000 IOPS
	Mean Time Between Failures (MTBF)	1,000,000 hour(s)
	Terabytes Written (Max.)	84 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
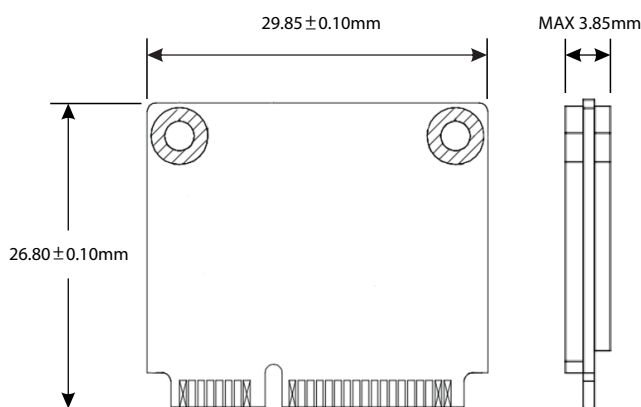
29.85±0.10mm   MAX 3.85mm

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

Transcend®