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Embedded Solutions

SATA III M.2 SSDs

Transcend's MTS810M with SATA III 6Gb/s interface and ultra compact dimensions make it best suited to address the high-performance needs and strict size limitations of small form factor devices. This means it is perfect for use in today's modern ultrabooks, thin and light notebooks, and tablets. Built with the SATA III 6Gb/s specifications, and with a powerful controller and exceptional transfer speeds, the M.2 SSD easily handles everyday computing tasks as well as demanding multimedia applications.

Hardware Features

- Compliant with RoHS 2.0 standards
- Space-saving M.2 form factor (80mm) ideal for mobile computing devices
- DDR3 DRAM Cache embedded
- MLC NAND flash
- Supports Transcend Scope Pro software

Ordering Information

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32GB	TS32GMTS810M	
64GB	TS64GMTS810M	
128GB	TS128GMTS810M	
256GB	TS256GMTS810M	

Firmware Features

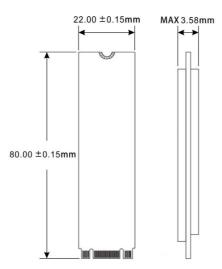
- NCQ command for better performance
- TRIM command for better performance
- Supports S.M.A.R.T. function to conduct health monitoring, analysis, and reporting for storage devices
- Advanced Garbage Collection
- Advanced Global Wear-Leveling and Block management for reliability



Specifications

M2 Type 2280-D2-B-M (Double-sided) Form Factor M.2 2280 nterface Bus Interface Bus Interface SATA III 6Gb/s Storage Capacity 32 GB / 64 GB / 128 GB / 256 GB Flash Type MLC NAND flash Operating Voltage 3.3V±5% Operating Temperature Standard Temp. 0°C (32°F)~70°C (158°F) Storage Temperature -55°C (67°F)~85°C (185°F) Humidity 5% ~ 95% Shock 1500 G, 0.5 ms, 3 axis Vibration (Operating) 20 G (peak-to-peak), 7 Hz ~ 2,000 Hz (frequency) Power Consumption (Operation) 1.82 watt(s) Power Consumption (Sleep) 0.28 watt(s) Vitration Read/Write (CrystalDiskMark) Read: up to 550 MB/s Write: up to 75,000 IOPS Write: up to 75,000 IOPS Write: up to 75,000 IOPS Mean Time Between Failures (MTBF) 2,500,000 hour(s) Mean Time Between Failures (MTBF) 2,500,000 hour(s) Tierabytes Written (TBW) up to 740 TBW Drive Writes Per Day (DWPD) 2.6 (3 yrs) Warranty Certificate CE / FCC / BSMI / UKCA			
Appearance M.2 Type 2280-D2-B-M (Double-sided) M.2 Type 2280-D2-B-M (Double-sided) Form Factor M.2 2280 Interface Bus Interface Storage Capacity 32 GB / 64 GB / 128 GB / 256 GB Flash Type MLC NAND flash Operating Voltage 3.3V±5% Operating Temperature 0°C (32°F) ~ 70°C (158°F) Storage Temperature -55°C (-67°F) ~ 85°C (185°F) Humidity 5% ~ 95% Shock 1500 G, 0.5 ms, 3 axis Vibration (Operating) 20 G (peak-to-peak), 7 Hz ~ 2,000 Hz (frequency) Power Consumption (Operation) 1.82 watt(s) Power Consumption (Sleep) 0.28 watt(s) Power Consumption (Sleep) 0.28 watt(s) Power Consumption (Sleep) 2.500,000 hour(s) Krandom Read/Write (CrystalDiskMark) Read: up to 70,000 IOPS Write: up to 74,000 IOPS Write: up to 74,000 Hz KRandom Read/Write (IOmeter) Mean Time Between Failures (MTBF) 2,500,000 hour(s) Farabytes Written (TBW) up to 740 TBW Drive Writes Per Day (DWPD) 2.6 (3 yrs) <td< td=""><td rowspan="4">Appearance</td><td>Dimensions</td><td>80 mm x 22 mm x 3.58 mm (3.15" x 0.87" x 0.14")</td></td<>	Appearance	Dimensions	80 mm x 22 mm x 3.58 mm (3.15" x 0.87" x 0.14")
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Drive Writes Per Day (DWPD) 2.6 (3 yrs) Certificate CE / FCC / BSMI / UKCA		Mean Time Between Failures (MTBF)	2,500,000 hour(s)
Certificate CE / FCC / BSMI / UKCA		Terabytes Written (TBW)	up to 740 TBW
Narranty		Drive Writes Per Day (DWPD)	2.6 (3 yrs)
	Warranty	Certificate	CE / FCC / BSMI / UKCA
		Warranty	Three-year Limited Warranty

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.