Embedded Solutions

PCIe M.2 SSDs
MTE352T

3K P/E cycles

Transcend's MTE352T M.2 SSD features the PCI Express (PCIe) Gen 3 x2 interface and is compatible with NVM Express (NVMe) 1.3 specifications to achieve never-before-seen transfer speeds. The MTE352T features state-of-the-art 3D NAND technology, which allows 96 layers of 3D NAND flash chips to be vertically stacked. Compared to 3D NAND at 64 layers, this density breakthrough greatly improves storage efficiency. The MTE352T is fully tested in-house to guarantee reliability in mission-critical applications, boasting an endurance rating of 3K Program/Erase cycles.

Features

- Endurance: 3K P/E cycles (Program/Erase cycles) guaranteed
- PCIe Gen 3 x2 interface
- Compliant with PCI Express specification 3.1
- Compliant with NVM Express specification 1.3
- Supports NVM command
- SLC caching technology
- Built-in LDPC ECC (Error Correction Code) functionality
- Dynamic thermal throttling
- Compliant with RoHS 2.0 standards
- Supports Transcend SSD Scope Pro software
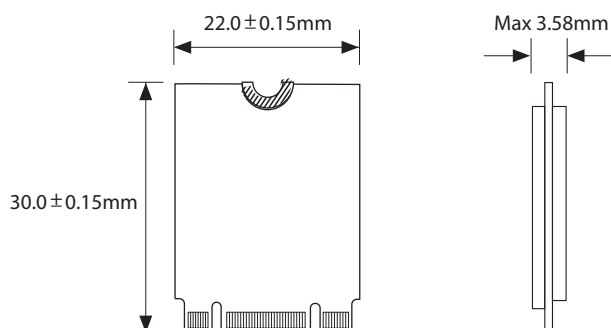
Ordering Information

Standard (0℃~ 70℃)

64GB	TS64GMTE352T
128GB	TS128GMTE352T
256GB	TS256GMTE352T
512GB	TS512GMTE352T

Specifications

Appearance	Dimensions	30 mm x 22 mm x 2.23 mm (1.18" x 0.87" x 0.08")
	Weight (Max.)	4 g (0.14 oz)
	Form Factor	M.2
	M.2 Type	2230-S2-B-M
Interface	Bus Interface	NVMe PCIe Gen3 x2
Storage	Flash Type	3D TLC NAND flash
	Capacity	64 GB/128 GB/256 GB/512 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	5% ~ 95%
	Shock	1500 G, 0.5 ms, 3 axis
	Vibration (Operating)	2.17 G (peak-to-peak), 10 Hz ~ 700 Hz (frequency)
Performance	Sequential Read/Write (CrystalDiskMark, max.)	Read: 1,700 MB/s; write: 1,000 MB/s
	4K Random Read/Write (IOmeter, max.)	Read: 150,000 IOPS; write: 230,000 IOPS
	Mean Time Between Failures (MTBF)	3,000,000 hour(s)
	Terabytes Written (Max.)	200 TB
	Drive Writes Per Day (DWPD)	0.4 (3 yrs)
Warranty	Certificate	CE/FCC/BSMI
	Warranty	Three-year Limited Warranty
Note	• Speed may vary due to host hardware, software, usage, and storage capacity.	
	• The workload used to rate DWPD may be different from your actual workload, which may vary due to host hardware, software, usage, and storage capacity.	

Mechanical Dimensions

22.0±0.15mm

Max 3.58mm

30.0±0.15mm

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