

Embedded Solutions

SATA III eSSD ETD210T



Introducing Transcend's ETD210T 2.5" Enterprise SSD, designed for classic servers. With high-quality Enterprise TLC NAND flash (eTLC), a SATA III 6Gb/s interface, and a large DRAM cache, it delivers rapid transfer speeds for handling massive data loads. Experience Quality of Service (QoS), ultra-low latency, and optimal endurance, resulting in incredibly fast loading times. The integrated Power Loss Protection (PLP) ensures data integrity, even during sudden power loss. Upgrade to Transcend's ETD210T for unmatched performance in web servers and media streaming applications.

Hardware Features

- High-quality eTLC NAND flash
- Endurance: 7K P/E cycles (Program/Erase cycles) guaranteed
- DRAM Cache embedded
- Power Loss Protection (PLP) to prevent data loss in the event of sudden power outage
- Supports Transcend Scope Pro software

Firmware Features

- Built-in 4K LDPC ECC (Error Correction Code) functionality
- NCQ command for better performance
- Supports S.M.A.R.T. function to conduct health monitoring, analysis, and reporting for storage devices
- Compliant with TCG Opal specifications and IEEE 1667 standards
- Full drive encryption with Advanced Encryption Standard (AES)

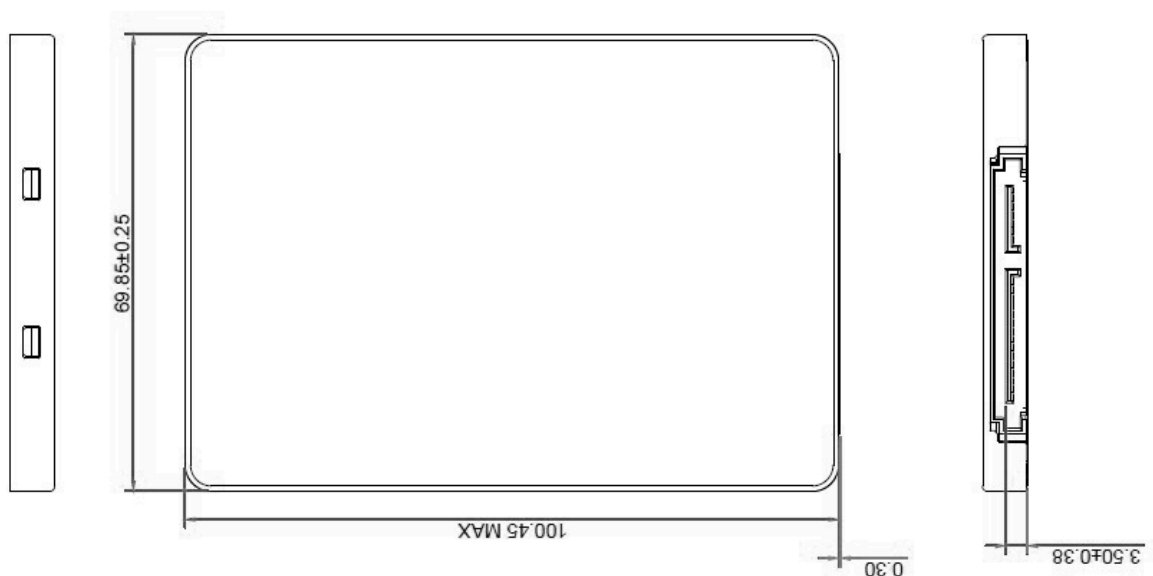
Ordering Information

480GB	TS480GETD210T
960GB	TS960GETD210T
1920GB	TS1T92ETD210T
3840GB	TS3T84ETD210T

Specifications

Appearance	Dimensions	100.45 mm x 69.85 mm x 7 mm (3.95" x 2.75" x 0.28")
	Weight	71 g (2.5 oz)
	Form Factor	2.5"
Interface	Bus Interface	SATA III 6Gb/s
Storage	Capacity	480 GB / 960 GB / 1.92 TB / 3.84 TB
	Flash Type	112-layer eTLC NAND Flash
Operating Environment	Operating Voltage	5V±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	15 G, 11 ms, 3 axis
	Vibration (Operating)	20 G (peak-to-peak), 7 Hz ~ 2000 Hz (frequency)
Power	Power Consumption (Operation)	3.15 watt(s)
	Power Consumption (IDLE)	1.7 watt(s)
Performance	Read Speed (Max.)	Up to 570 MB/s
	Write Speed (Max.)	Up to 540 MB/s
	4K Random Read/Write	Read: Up to 100,000 IOPS Write: Up to 83,000 IOPS
	Quality of Service (QoS)	99% Read: 45µs Write: 42µs
	Latency (4K, QD=1)	Read: 30µs Write: 26µs
	Mean Time Between Failures (MTBF)	2,000,000 hour(s)
	Terabytes Written (TBW)	Up to 7,008 TBW
	Drive Writes Per Day (DWPD)	1 (5 yrs)
Warranty	Certificate	CE / UKCA / FCC / BSMI
	Warranty	Five-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.