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
- Secure Erase
- Wear-Leveling
- NCQ command for better performance
- Supports S.M.A.R.T. function to conduct health monitoring, analysis, and reporting for storage devices
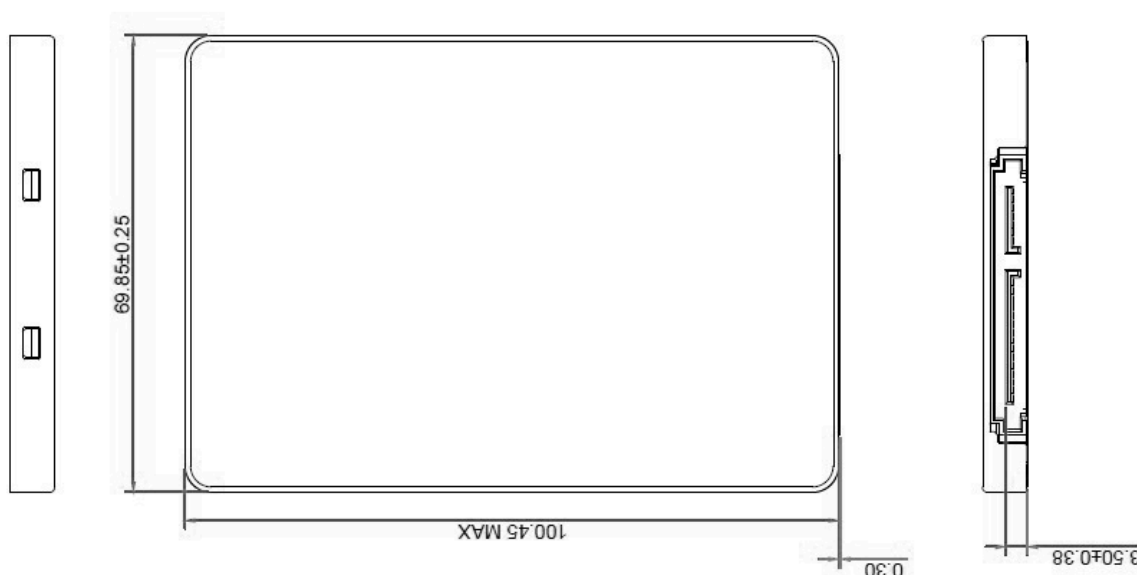
Ordering Information

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	54 g (1.9 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)	3.1 watt(s)
	Power Consumption (IDLE)	1.6 watt(s)
Performance	Read Speed (Max.)	Up to 530 MB/s
	Write Speed (Max.)	Up to 510 MB/s
	Sequential Read/Write	Read: Up to 530 MB/s Write: Up to 510 MB/s
	4K Random Read/Write	Read: Up to 80,000 IOPS Write: Up to 50,000 IOPS
	Quality of Service (QoS)	99% Read: 117us Write: 32us
	Latency (4K, QD=1)	Read: 105us Write: 36us
	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