



# 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

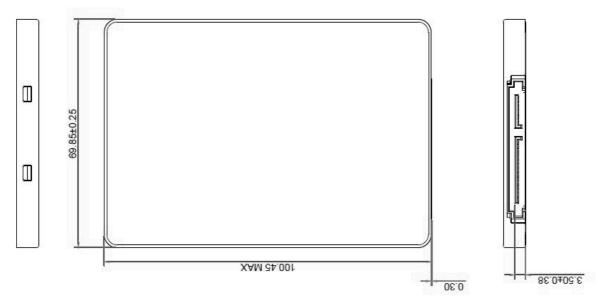
480GB	TS480GETD210T	
960GB	TS960GETD210T	
1920GB	TS1T92ETD210T	
3840GB	TS3T84ETD210T	



## Specifications

Dimensions   100.45 mm x 69.85 mm x 7 mm (3.95* x 2.75* x 0.28*)			
Form Factor   2.5"   Interface   Bus Interface   Bus Interface   SATA III 6Gb/s	Appearance	Dimensions	100.45 mm x 69.85 mm x 7 mm (3.95" x 2.75" x 0.28")
Name		Weight	54 g (1.9 oz)
Capacity		Form Factor	2.5"
Flash Type	Interface	Bus Interface	SATA III 6Gb/s
Flash Type	Storage	Capacity	480 GB / 960 GB / 1.92 TB / 3.84 TB
Operating Temperature		Flash Type	112-layer eTLC NAND Flash
Storage Temperature		Operating Voltage	5V±5%
Humidity   5% ~ 95%		Operating Temperature	0°C (32°F) ~ 70°C (158°F)
Shock   15 G, 11 ms, 3 axis		Storage Temperature	-40°C (-40°F) ~ 85°C (185°F)
Vibration (Operating)		Humidity	5% ~ 95%
Power Consumption (Operation)         3.1 watt(s)           Power Consumption (IDLE)         1.6 watt(s)           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           Warranty         Performance           Quality of Service (QoS)         Read: 117us Write: 32us           Read: 105us Write: 36us         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		Shock	15 G, 11 ms, 3 axis
Power Consumption (IDLE)   1.6 watt(s)		Vibration (Operating)	20 G (peak-to-peak), 7 Hz ~ 2000 Hz (frequency)
Power Consumption (IDLE)	Power	Power Consumption (Operation)	3.1 watt(s)
Write Speed (Max.)		Power Consumption (IDLE)	1.6 watt(s)
Sequential Read/Write		Read Speed (Max.)	Up to 530 MB/s
Performance  Performance  Quality of Service (QoS)  Latency (4K, QD=1)  Mean Time Between Failures (MTBF)  Terabytes Written (TBW)  Drive Writes Per Day (DWPD)  Write: Up to 510 MB/s  Read: Up to 80,000 IOPS  Write: Up to 50,000 IOPS  Pead: 117us Write: 32us  Read: 105us Write: 36us  Up to 7,008 TBW  CET / UKCA / FCC / BSMI		Write Speed (Max.)	Up to 510 MB/s
Performance         Write: Up to 50,000 IOPS           Quality of Service (QoS)         99%	Performance	Sequential Read/Write	
Performance         Quality of Service (QoS)         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)           Certificate         CE / UKCA / FCC / BSMI		4K Random Read/Write	
Latency (4K, QD=1)   Write: 36us		Quality of Service (QoS)	Read: 117us
Terabytes Written (TBW)		Latency (4K, QD=1)	
Drive Writes Per Day (DWPD) 1 (5 yrs)  Certificate CE / UKCA / FCC / BSMI		Mean Time Between Failures (MTBF)	2,000,000 hour(s)
Warranty CE / UKCA / FCC / BSMI		Terabytes Written (TBW)	Up to 7,008 TBW
Warranty		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