Embedded Solutions

2.5" SATA II SSD
SSD630

To meet industrial-grade specifications and ensure the utmost quality, Transcend's SSD630 with MLC NAND flash embedded has undergone extensive tests to ensure reliability. Featuring the Advanced Power Shield function, the SSD630 provides extra protection to data integrity against sudden power failures or blackouts, making it ideal for industrial use and mission-critical applications.

Features

- RoHS compliant
- Power shield to prevent data loss in the event of a sudden power outage
- Built-in ECC (Error Correction Code) functionality and wear-leveling algorithm ensure highly reliable data transfer
- Supports Advanced Garbage Collection
- Supports Enhanced S.M.A.R.T. function
- DRAM Cache embedded
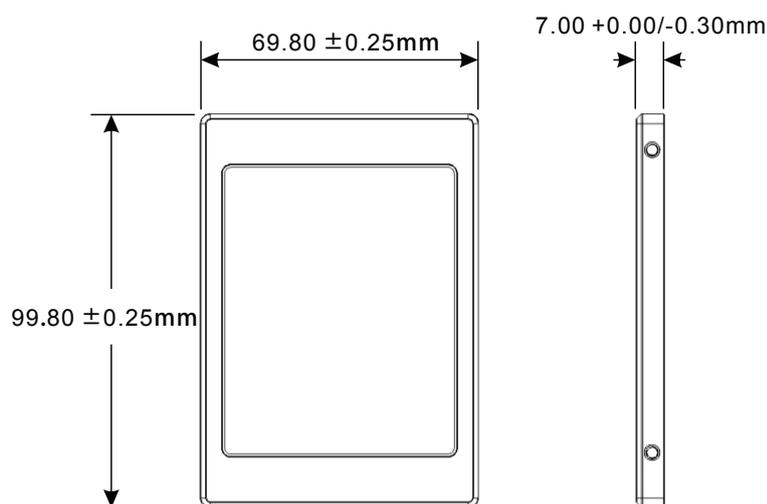- Provides great shock resistance

Ordering Information

16GB	TS16GSSD630
32GB	TS32GSSD630
64GB	TS64GSSD630

Specifications

Appearance	Dimensions (Max.)	99.8 mm x 69.8 mm x 7 mm (3.93" x 2.75" x 0.28")
	Weight (Max.)	48 g (1.69 oz)
	Form Factor	2.5"
Interface	Bus Interface	SATA II 3Gb/s
Storage	Flash Type	MLC NAND flash
	Capacity	16 GB/32 GB/64 GB
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	0% ~ 95%
	Shock	1500 G, 0.5 ms, 3 axis
	Vibration (Operating)	20 G (peak-to-peak), 5 Hz ~ 800 Hz (frequency)
Power	Power Consumption (Operation)	1.27 watt(s)
	Power Consumption (Sleep)	0.76 watt(s)
Performance	Sequential Read/Write (CrystalDiskMark, max.)	Read: 227 MB/s ; write: 85 MB/s
	4K Random Read/Write (IOmeter, max.)	Read: 14,800 IOPS ; write: 4,100 IOPS
	Mean Time Between Failures (MTBF)	1,000,000 hour(s)
	Terabytes Written (Max.)	152 TB
	Certificate	CE/FCC/BSMI
Warranty	Warranty	Three-year Limited Warranty
Note	• Speed may vary due to host hardware, software, usage, and storage capacity.	

Mechanical Specification

69.80 ±0.25mm

7.00 +0.00/-0.30mm

99.80 ±0.25mm

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