

Embedded Solutions

2.5" PATA SSD PSD330



Transcend's 2.5" PATA SSDs offers high-speed UDMA Mode 6, and offer installation flexibility for desktops, laptops or portable devices built around the 2.5" PATA (IDE) storage device standard. When replacing a traditional 2.5" IDE HDD with an SSD to enhance overall system performance, industrial-grade 2.5" PATA SSDs are the optimal choice.

Features

- RoHS compliant
- Fully compatible with devices and OS that support the IDE standard (44-Pin, pitch = 2.00 mm)
- Non-volatile Flash Memory for outstanding data retention
- Built-in ECC (Error Correction Code) functionality and wear-leveling algorithm ensure highly reliable data transfer
- Shock resistance
- Support S.M.A.R.T function (self-definition)
- Supports Security Commands
- Advanced Global Wear-Leveling and Block management for reliability
- Supports up to Ultra DMA Mode 6
- Power Shield prevents data loss in the event of a sudden power outage
- MLC NAND Flash

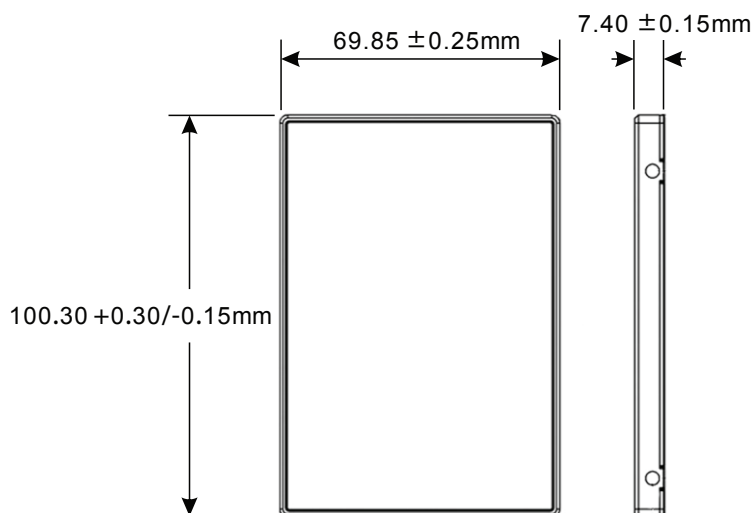
Ordering Information

32GB	TS32GSPD330
64GB	TS64GSPD330
128GB	TS128GSPD330

Specifications

Appearance	Dimensions (Max.)	100.3 mm x 69.85 mm x 7.4 mm (3.95" x 2.75" x 0.29")
	Weight (Max.)	55 g (1.94 oz)
	Pin	44 pin
	Form Factor	2.5"
Interface	Bus Interface	PATA
Storage	Flash Type	MLC NAND flash
	Capacity	32 GB/64 GB/128 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)	1.24 watt(s)
	Power Consumption (Sleep)	0.004 watt(s)
Performance	Sequential Read/Write (CrystalDiskMark, max.)	Read: 120 MB/s ; write: 75 MB/s
	Mean Time Between Failures (MTBF)	1,000,000 hour(s)
	Terabytes Written (Max.)	80TB
	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



Product specifications are subject to change without notice. Pictures shown may differ from actual products. When used as a storage capacity unit, one terabyte (TB) = one trillion bytes. 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.



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