Datasheet

2.5" PATA SSD

Features

- Suitable for wide-temperature applications (industrial versions available upon request)
- Supports up to Ultra DMA Mode 6, Multi-Word DMA Mode 2, and PIO Mode 4
- Fast system boot-up and smooth software application performance
- Supports security functions, S.M.A.R.T., and monitoring software
- Built-in Power Shield active monitoring circuit prevents data loss in the event of a
   sudden power outage
- On-chip hardware BCH-ECC engine corrects up to 40 bit errors per 1,024 bytes of data(PSD330)

Introduction

Transcend's 2.5" PATA SSD offers high-speed UDMA Mode 6 and 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 SSD is the optimal choice.

Specifications

	PSD330	PSD520
Interface	True IDE	
Flash Type	MLC	SLC
Connector	44-pin, 2.0mm pitch	
Form Factor	2.5″	
Capacity	32~256GB	2~32GB
Sequential Read*	119 MB/s	119 MB/s
Sequential Write*	93 MB/s	102 MB/s
Operating Temperature	0°C~70°C**	
Storage Temperature	-40°C~85°C	
Humidity	0%~95%	
Shock	1,500G, 0.5ms, 3 axis	
Vibration	20G (Peak-to-Peak), 20Hz to 2000Hz (Frequency)	
Operating Voltage	5V±5%	
Power Consumption	0.5W (active), 0.04W (idle)	
Dimensions	100.3 x 69.85 x 7.4mm	
MTBF	1,000,000 hrs	
Warranty	3-year Limited	

*Max. Performance
**optional: -40°C~85°C

Ordering Information

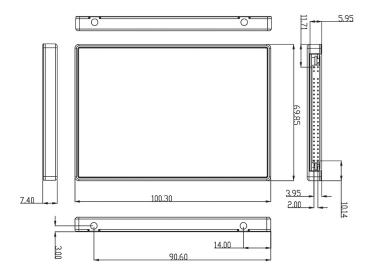|			
PSD330 MLC	TS32GPSD330	32GB	
	TS64GPSD330	64GB	
	TS128GPSD330	128GB	
	TS256GPSD330	256GB	
PSD520 SLC	TS2GPSD520	2GB	
	TS4GPSD520	4GB	
	TS8GPSD520	8GB	
	TS16GPSD520	16GB	
	TS32GPSD520	32GB	

Drawing

Contact information

Transcend Information. Inc.

No. 70, XingZhong Rd., NeiHu Dist. Taipei, Taiwan, R.O.C.

Tel: +886-2-2792-8000

sales-tw@transcend-info.com

Transcend®
good memories start here

www.transcend-info.com/Embedded/