Embedded Solutions

PATA Flash Module
PTM720

44 Pin Vertical

Transcend's 44-pin PATA PTM720 Flash Modules can be inserted directly to the PATA (IDE) interface of a motherboard to replace conventional 2.5" hard disk drives. Ideal for use as bootable drives, the 44-pin PATA PTM720 Flash Module is an easy solution for integrating SSD storage technology into laptop-based legacy systems.

Features

- RoHS compliant products
- Support Security command
- Support S.M.A.R.T (Self-defined)
- Fully compatible with devices and OS that support the IDE standard (pitch = 2.00mm)
- Built-in ECC function assures high reliability of data transfer
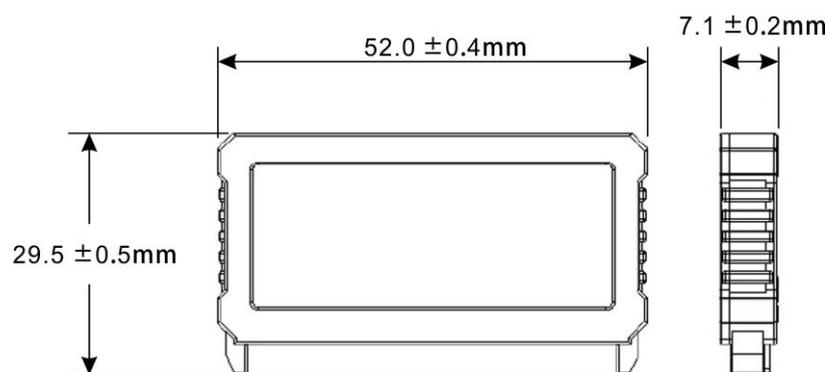- Supports up to Ultra DMA Mode 4
- Supports PIO Mode 6
- SLC NAND Flash

Ordering Information

512MB	TS512MPTM720
1GB	TS1GPTM720
2GB	TS2GPTM720
4GB	TS4GPTM720

Specification

Appearance	Dimensions (Max.)	52.0 mm x 29.5 mm x 7.2 mm (2.05" x 1.16" x 0.28")
	Pin	44 pin
Interface	Bus Interface	PATA
Storage	Flash Type	SLC NAND flash
	Capacity	512 MB / 1 GB / 2 GB / 4 GB
Operating Environment	Operating Voltage	3.3V±5% or 5V±10%
	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)	3 G (peak-to-peak), 5 Hz ~ 800 Hz (frequency)
Power	Power Consumption (Operation)	0.9 watt(s)
Performance*	Read Speed (Max.)	39 MB/s
	Write Speed (Max.)	42 MB/s
	Mean Time Between Failures (MTBF)	1,000,000 hour(s)
Warranty	Warranty	Three-year Limited Warranty
Note	* Speed may vary due to host hardware, software, usage, and storage capacity.	

Mechanical Specification

52.0 ±0.4mm

7.1 ±0.2mm

29.5 ±0.5mm

Transcend®

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