

Embedded Solutions



USB

USB Flash Module (Horizontal)

Transcend's USB Flash modules are convenient, easy to implement solutions for expanding the memory capacity of industrial computers. These compact storage devices consume a minimal amount of power and feature a mechanical write protection switch. Due to their minimalist dimensions, these USB modules are suitable for use in small embedded systems.

Hardware Features

- Compliant with RoHS 2.0 standards
- Low power consumption
- Hot-swapping for easy plug-and-play

Firmware Features

- Mechanical Write Protection switch for data security

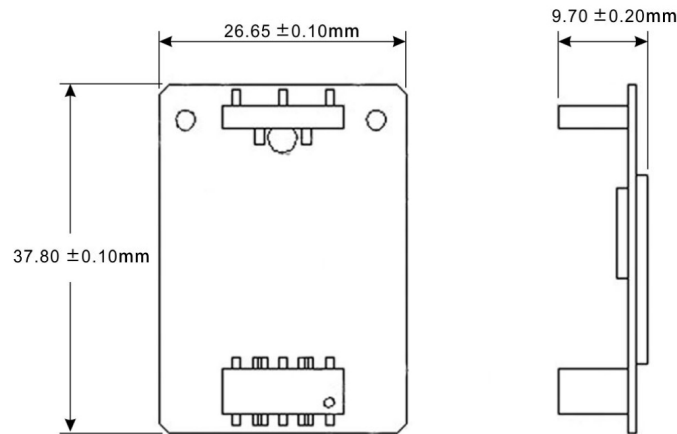
Ordering Information

2GB	TS2GUFM-H
4GB	TS4GUFM-H
512MB	TS512MUFM-H

Specifications

Appearance	Dimensions	37.80 mm x 26.65 mm x 9.7 mm (1.49" x 1.05" x 0.38")
	Pin Count	10 pin
	Pitch	2.54mm (normal type) 2.0mm (low profile type)
Interface	Connection Interface	USB 2.0
Storage	Flash Type	SLC NAND flash
	Capacity	512 MB / 2 GB / 4 GB
Operating Environment	Operating Voltage	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)	20 G (peak-to-peak), 7 Hz ~ 2,000 Hz (frequency)
Power	Power Consumption (Operation)	0.67 watt(s)
Performance	Read Speed (Max.)	up to 16 MB/s
	Write Speed (Max.)	up to 14 MB/s
	Terabytes Written (Max.)	128 TBW
	Mean Time Between Failures (MTBF)	3,000,000 hour(s)
Warranty	Warranty	Three-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 under all scenarios. For special applications and environments, it is strongly suggested that you contact Transcend beforehand for clarification.