



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for TRANSCEND TS8GUFM-H. You'll find the answers to all your questions on the TRANSCEND TS8GUFM-H in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual TRANSCEND TS8GUFM-H  
User guide TRANSCEND TS8GUFM-H  
Operating instructions TRANSCEND TS8GUFM-H  
Instructions for use TRANSCEND TS8GUFM-H  
Instruction manual TRANSCEND TS8GUFM-H

## TS512M~8GUFM-H

512MB~8GB USB Flash Module (Horizontal)

### Description

Compatible with Hi-Speed USB 2.0, consume less power and feature a write protection switch, Transcend Industrial USB Flash Modules provide the perfect solution for reliable high capacity memory storage in specialized industrial machines.

### Placement



### Dimensions

Side	Millimeters	Inches
A	37.80 ± 1.00	1.49 ± 0.04
B	26.65 ± 1.00	1.05 ± 0.04
C	9.70 ± 1.00	0.38 ± 0.04

\* Please refer to Mechanical Drawing

### Features

- RoHS compliant products
- Hi-Speed USB 2.0 compliant, backward compatible with USB 1.1
- True Plug and Play functionality
- Fully compatible with devices and Operating Systems (OS) that support the USB standard
- Integrated 80C51 compatible 8-bit microprocessor with enhanced feature
- Leading 0.182um CMOS technology, 1.8 Volt low power core operation
- Operates on a single power supply (Vdd = 5.0V)
- Fully compliant with open industry standards
- LED indicates the access status of USB Flash Module
- Write protection switch

### System Requirement

- Hardware: An available 10-pin male USB port (pitch = 2.54mm for Normal Type; pitch = 2.0mm for Low profile Type) from Host side.
- Operating System: Windows® XP, Windows® Vista, Windows® 7, Mac OS 9.x and above, Linux™ Kernel 2.4 and above

### LED Status

Mode	Potential	LED
Idle	VCC	OFF
Read/Write	VCC/GND	GLITTER

Transcend Information Inc.

V1.1



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**Manual abstract:**

0, consume less power and feature a write protection switch, Transcend Industrial USB Flash Modules provide the perfect solution for reliable high capacity memory storage in specialized industrial machines. 512MB~8GB USB Flash Module (Horizontal) Features · RoHS compliant products · Hi-Speed USB 2.0 compliant; backward compatible with USB 1.1 · True Plug and Play functionality · Fully compatible with devices and Operating Systems (OS) that support the USB standard · Integrated 80C51 compatible 8-bit microprocessor with enhanced feature · Leading 0.162um CMOS technology, 1.8 Volt low power core operation · Operates on a single power supply (Vdd = 5.0V) · Fully compliant with open industry standards · LED indicates the access status of USB Flash Module · Write protection switch Placement System Requirement · Hardware: An available 10-pin male USB port (pitch = 2.54mm for Normal Type; pitch = 2.0mm for Low profile Type) from Host side. · Operating System: Windows® XP, Windows® Vista, Windows® 7, Mac OS 9.

x and above, Linux™ Kernel 2.4 and above LED Status Dimensions Side A B C Mode Idle Potential VCC VCC/GND LED OFF GLITTER Millimeters 37.80 ± 1.00 26.65 ± 1.

00 9.70 ± 1.00 Inches 1.49 ± 0.04 1.

05 ± 0.04 0.38 ± 0.04 Read/Write \* Please refer to Mechanical Drawing Transcend Information Inc. 1 V1.1 TS512M~8GUFM-H Block Diagram USB Flash Drive controller 512MB~8GB USB Flash Module (Horizontal) Transcend Information Inc. 2 V1.1 TS512M~8GUFM-H Mechanical Drawing (unit: mm) B 512MB~8GB USB Flash Module (Horizontal) A C UFM-H (Normal Type) UFM-H (Low profile Type) Transcend Information Inc. 3 V1.1 TS512M~8GUFM-H Pinouts Pin No.

01 02 03 04 05 06 07 08 09 10 512MB~8GB USB Flash Module (Horizontal) Pin Identification Pin Name VCC NC USB(-) NC USB(+) NC VSS NC LED Write Protect Symbol USB(-) USB(+) VSS VCC Function USB differential signal: The pairs are used to transmit Data/Address/Command Ground VSS NC LED input Information Setting Item Product Name Manufactures String Product String Disk Type Setting TS512M~8GUFM-H Transcend TS512~8GUFM-H USB-ZIP B Switch Setting Setting A B A Potential Open GND Write-Protect OFF ON Transcend Information Inc. 4 V1.1 TS512M~8GUFM-H Specifications Environment Capacity Operating Temperature Non-Operating 512MB~8GB USB Flash Module (Horizontal) 512MB~8GB 0 to 70 -40 to 85 System Performance Power Requirement Read/Write Voltage 20/18 MB/sec (Max.) DC 5V ± 10% 10 years 10,000 times >100,000 times / block Data Retention Connector Durability Erase Cycles Transcend Information Inc. 5 V1.1 TS512M~8GUFM-H AD/DC Characteristics Parameter Peak voltage on all lines All input leakage current All output leakage current Supply voltage 512MB~8GB USB Flash Module (Horizontal) Symbol Min. -0.5 -10 -10 Max. 3.6 10 10 3.6 Unit V uA uA V Remark Except VCC5V input VCC3 2.7 Parameter Output High voltage Output Low voltage Input High voltage Input Low voltage Symbol VOH VOL VIH VIL Min. 2.4 Max. 0.

4 Unit V V V Remark 2.0 0.8 V Bus Signal Line Loading Parameter Bus line capacitance Symbol CL Min. Max. 20 Unit pF Remark Transcend Information Inc.

6 V1.1 TS512M~8GUFM-H Ordering Information 512MB~8GB USB Flash Module (Horizontal) TS XG UFM -X Transcend Product Form Factor V = Vertical H = Horizontal Capacity: 512M-8G = 512MB up to 8 GB USB Flash Module 1. @@@@ @ @2. .



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