



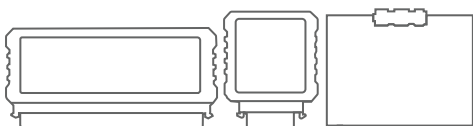
Embedded Solutions

USB Flash Module

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 compact dimensions, these USB modules are suitable for use in small embedded systems.

Features

- Suitable for wide-temperature applications
- Built-in ECC and Wear-leveling algorithm ensure reliable data transfer
- Hi-speed USB 2.0 compliant
- Backward compatible with USB 1.1
- True Plug and Play functionality
- Write protection switch
- Fully compliant with open industry standards
- Mechanical write-protect switch



Specifications

| | UFM-H | UFM-HM | UFM-V |
|-----------------------|--|---------|----------------------------------|
| Interface | | USB 2.0 | |
| Flash Type | SLC | MLC | SLC |
| Connector | 10-pin USB port (pitch = 2.54mm for normal type; pitch = 2.0mm for low profile type) | | 10-pin USB port (pitch = 2.54mm) |
| Form Factor | Horizontal (no case) | | Vertical (with case) |
| Capacity | 512MB/2GB | 8GB | 512MB~4GB |
| Sequential Read* | 40 MB/s | 34 MB/s | 18 MB/s |
| Sequential Write* | 39 MB/s | 18 MB/s | 16 MB/s |
| Operating Temperature | 0°C~70°C | | 0°C~70°C** |
| Storage Temperature | -40°C~85°C | | |
| Humidity | 0%~95% | | |
| Shock | 1500G, 0.5ms, 3 axis | | |
| Vibration | 3G (peak-to-peak), 5Hz to 800Hz (frequency) | | |
| Operating Voltage | 5V±10% | | |
| Power Consumption | 0.6W | | |
| Dimensions (max.) | 37.8 x 26.65 x 9.7mm | | 31.8 x 26.0 x 7.0mm |
| MTBF | 3,000,000 hours | | |
| Warranty | Three-year Limited Warranty | | |

*Maximum performance shown. Performance varies by capacity, user hardware, and system configuration.

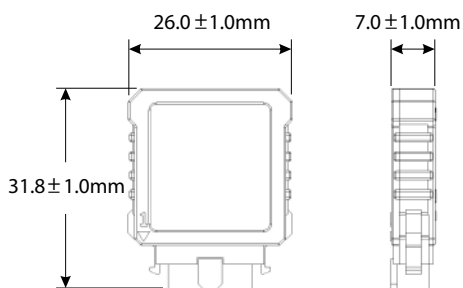
**Wide temperature (-40°C~85°C) available by request.

Ordering Information

| | | | | | | | | |
|-------|-------------|-------|-----------|------------|-----|-------|-------------|-------|
| UFM-H | TS512MUFM-H | 512MB | UFM-HM | TS8GUFM-HM | 8GB | UFM-V | TS512MUFM-V | 512MB |
| | TS2GUFM-H | 2GB | | TS1GUFM-V | 1GB | | | |
| | | | TS2GUFM-V | 2GB | | | | |
| | | | TS4GUFM-V | 4GB | | | | |

Mechanical Dimensions

UFM-V



UFM-H/UFM-HM/UFM-V

