

JF750 series

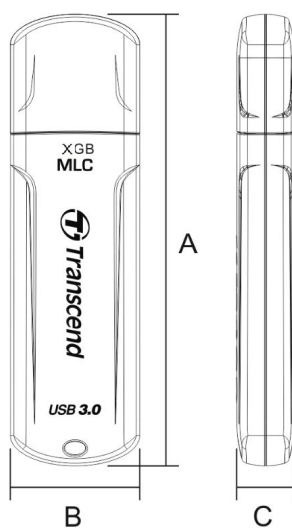
Description

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, the USB modules are suitable for use in smaller embedded systems.

Features

- With MLC flash memory
- Fully compatible with SuperSpeed USB3.0 & Hi-Speed USB 2.0
- Easy Plug and Play installation
- USB powered. No external power or battery needed
- LED indicates the usage status

Outline



Dimensions

Side	Millimeters	Inches
A	69.5 ± 0.1	2.74 ± 0.004
B	19.8 ± 0.1	0.78 ± 0.004
C	8.8 ± 0.1	0.35 ± 0.004

Product Features

1. Built-in ECC Engine

In event of errors, the combined data allow the recovery of the original data. The number of errors that can be recovered depends on the algorithm used.

2. Wear-leveling

This function means the data are no longer tied to a single physical area, which can extend Card's life expectancy.

3. Read Retry

The function allows the read voltage to be dynamically adjusted such that read errors are decreased or even eliminated.

Specifications

Physical Specification	
Connector Form Factor	USB Type-A
USB specification	USB3.1 Gen 1 (5Gbps)
NAND flash	MLC

Performance		
Model P/N	Sequential Read (MB/S)*	Sequential Write (MB/S)*
TS8GJF750	130	15
TS16GJF750	130	15
TS32GJF750	130	30
TS64GJF750	130	30

Note: Maximum transfer speed recorded

* 25 °C , 4GB DRAM, Windows® 7, benchmark utility Crystal DiskMark , copied file 1000MB, unit MB/s

Endurance		
<u>Tera</u>Bytes <u>Written</u> (T.B.W)	TS8GJF750	15
	TS16GJF750	30
	TS32GJF750	60
	TS64GJF750	120

*TBW is based on Transcend internal standard with fresh flash to calculate how much data can be written into the drive. TBW may vary due to different operation.

**1 TeraByte=1,000,000,000 bytes

Bus Mode/ Power Consumption

Power Supply		5V ± 10%
		Value(Max.)
Super-Speed Mode	Read	155mA
	Write	165mA
	Idle	95mA

Note: Power consumption is measured based on Transcend internal Test

Environmental Specifications

Operating Temperature	- 0C to 70C
Storage Temperature	- 20°C to 75°C
Vibration	3G(peak-to-peak), 5Hz to 800Hz (Frequency)
Shock	1500G, 0.5ms, 3axis
MTBF	3,000,000 hours

Order information

Capacity	Transcend Part Number
8GB	TS8GJF750K
16GB	TS16GJF750K
32GB	TS32GJF750K
64GB	TS64GJF750K

The technical information above is based on industry standard data and has been tested to be reliable. However, Transcend makes no warranty, either expressed or implied, as to its accuracy and assumes no liability in connection with the use of this product. Transcend reserves the right to make changes to the specifications at any time without prior notice. Due to the complexity and variety of industrial applications, for special applications and environments, it is strongly suggested to contact Transcend or its authorized resellers beforehand for compatibility confirmation.



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Revision History

Version	Date	Note
1.0	2016/10/26	The 1 st SD edition