



Embedded Solutions

microSD Card

Transcend's microSD cards combine the advantages of high performance and exceptional endurance at affordable prices. Built with high-quality NAND Flash chips, Transcend's embedded memory cards offer high-speed data transfer rates, maximum storage space, and the tenacity to withstand wide operating temperatures ranging from -25°C/-40°C to 85°C. These make them best suited for demanding industrial environments where performance and reliability are of utmost importance.

Features

- Suitable for wide-temperature application
- SuperMLC technology allows MLC NAND to act as SLC NAND
- Built-in ECC and Wear-leveling algorithm ensure reliable data transfer
- Mechanical write-protect switch
- Voltage detect function protects saved data



Specifications

	USD520I	USDC10M	USDC10I	USD220I
Interface	SD 3.0			
Flash Type	MLC			SuperMLC
Connector	microSD connector			
Form Factor	microSD flash card			
Capacity	8GB~16GB	4GB~32GB	8GB~64GB	4GB~16GB
Sequential Read*	24 MB/s		21 MB/s	85 MB/s
Sequential Write*	16 MB/s	22 MB/s	17 MB/s	65 MB/s
Operating Temperature	-40°C~85°C	-25°C~85°C	-40°C~85°C	
Storage Temperature	-40°C~85°C			
Humidity	0%~95%			
Shock	1500G			
Vibration	20G (peak-to-peak), 20Hz to 2000Hz (frequency)			
Operating Voltage	2.7V~3.6V			
Power Consumption	0.72W			
Dimensions (max.)	11 x 15 x 1mm			
MTBF	>3,000,000 hours			
Warranty	Three-year Limited Warranty			

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

Ordering Information

USD520I	TS8GUSD520I	8GB
	TS16GUSD520I	16GB
USDC10M	TS4GUSDC10M	4GB
	TS8GUSDC10M	8GB
	TS16GUSDC10M	16GB
	TS32GUSDC10M	32GB
USDC10I	TS8GUSDC10I	8GB
	TS16GUSDC10I	16GB
	TS32GUSDC10I	32GB
	TS64GUSDC10I	64GB
USD220I	TS4GUSD220I	4GB
	TS8GUSD220I	8GB
	TS16GUSD220I	16GB

Mechanical Dimensions

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