

Embedded Solutions



microSD Cards

Industrial Temp UHS-I U1 microSDHC220I

Wide Temperature

Transcend's SuperMLC technology is a cost-effective solution that offers performance close to that of SLC NAND flash at a more affordable price. These industrial-grade SuperMLC microSD cards combine the advantages of high-performance, exceptional endurance, and wide temperature tolerance (-40°C to 85°C) at affordable prices, making them ideal for write-intensive applications such as medical devices, surveillance systems, and POS terminals.

Features

- Manufactured with industrial SuperMLC technology
- Excellent endurance
- Cost-effective solution
- RoHS compliant
- Compatible with SD Specification Ver. 3.01
- Supports S.M.A.R.T. function
- Built-in ECC (Error Correction Code) functionality

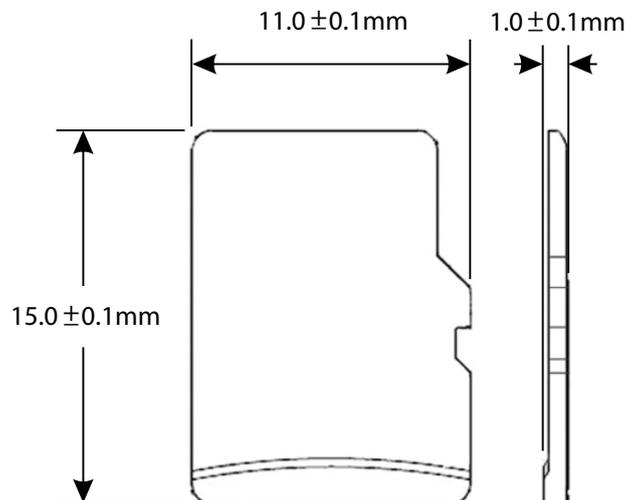
Ordering Information

4GB	TS4GUSD220I
8GB	TS8GUSD220I
16GB	TS16GUSD220I

Specifications

Appearance	Dimensions (Max.)	11 mm x 15 mm x 1 mm (0.43" x 0.59" x 0.04")
	Form Factor	microSD flash card
Storage	Flash Type	SuperMLC
	Capacity	4 GB/8 GB/16 GB
Operating Environment	Operating Voltage	2.7V ~ 3.6V
	Drop Test	1.5m free fall
	Operating Temperature	-40°C (-40°F) ~ 85°C (185°F)
	Storage Temperature	-40°C (-40°F) ~ 85°C (185°F)
	Humidity	0% ~ 95%
	Shock	Acceleration: 490 m/s ² (standard holding time: 11 ms, semi-sine wave, velocity change: 3.44 m/s)
	Vibration (Operating)	20 G (peak-to-peak), 20 Hz ~ 2,000 Hz (frequency)
Power	Power Consumption (Max.)	0.72 watt(s)
Performance	Read Speed (Max.)	81 MB/s
	Write Speed (Max.)	46 MB/s
	Terabytes Written (Max.)	300 TB
Warranty	Certificate	CE/FCC/BSMI
	Warranty	Three-year Limited Warranty
Note	• Speed may vary due to host hardware, software, usage, and storage capacity.	

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.



Please feel free to contact us with any special requests you might have.
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