Embedded Solutions

microSD Cards

microSDHC300T

Transcend's microSDHC300T memory cards feature the Ultra High Speed Class 1 specification and Speed Class 10, suitable for operating temperatures from -25°C to 85°C. Undergoing extensive reliability testing, they are ideal for POS terminals and other small form factor devices.

Hardware Features

- Compliant with RoHS 2.0 standards
- Electrostatic protection (ESD IEC 61000-4-2)
- Compliant with UHS-I
- Compliant with Speed Class 10
- Compliant with SD specification 3.01

Firmware Features

- Built-in BCH ECC (Error Correction Code) functionality
- Wear-Leveling
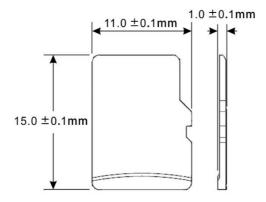- Early Move

Ordering Information

16GB	TS16GUSD300T

Specifications

Appearance	Dimensions	11 mm x 15 mm x 1 mm (0.43" x 0.59" x 0.04")
	Form Factor	microSD flash card
Storage	Flash Type	2D NAND flash
	Capacity	16 GB
Operating Environment	Operating Voltage	2.7V ~ 3.6V
	Drop Test	1.5m free fall
	Operating Temperature	Standard -25°C (-13°F) ~ 85°C (185°F)
	Storage Temperature	-40°C (-40°F) ~ 85°C (185°F)
	Humidity	0% ~ 95%
	Shock	Acceleration: 490 m/s² (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)
Performance	Read Speed (Max.)	up to 95 MB/s
	Write Speed (Max.)	up to 10 MB/s
	Terabytes Written (TBW)	up to 1.2 TBW
Warranty	Certificate	CE / FCC
	Warranty	Three-year Limited Warranty

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.