Embedded Solutions

SD Cards

SDHC/SDXC220

Transcend's SuperMLC technology is a cost-effective solution that offers performance close to that of SLC NAND flash. SuperMLC SDXC/SDHC220 UHS-I U1 Cards combine the advantages of high performance and exceptional endurance at an affordable price, making them ideal for demanding industrial applications such as POS terminals as well as portable devices equipped with an SD memory card slot.

Hardware Features

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

Firmware Features

- Transcend's exclusive SuperMLC technology
- Enhanced S.M.A.R.T. function for durability
- Early Move
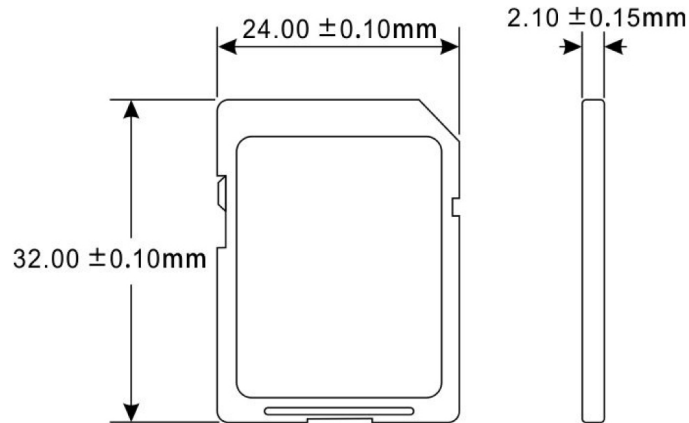- Built-in ECC (Error Correction Code) functionality
- Wear-Leveling

Ordering Information

16GB	TS16GSDC220
32GB	TS32GSDC220

Specifications

Appearance	Dimensions	24 mm x 32 mm x 2.1 mm (0.94" x 1.26" x 0.08")
	Form Factor	SD flash card
Storage	Flash Type	SuperMLC
	Capacity	16 GB / 32 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)
Power	Power Consumption (Max.)	0.72 watt(s)
Performance	Read Speed (Max.)	up to 95 MB/s
	Write Speed (Max.)	up to 80 MB/s
	Terabytes Written (Max.)	600 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.