SD Cards

SDC220I

Transcend's SuperMLC technology is a cost-effective solution that offers performance close to that of SLC NAND flash. SuperMLC SDC220I SD Cards combine the advantages of high performance and exceptional endurance at an affordable price. The wide temperature(-40℃ ~ 85℃) capability and high compatibility make them ideal for demanding industrial applications such as POS terminals, medical devices as well as portable devices equipped with an SD memory card slot.

Hardware

- Compliant with SD specification 3.01
- Compliant with RoHS 2.0 standards
- Supports Transcend Scope Pro software
- Electrostatic protection (ESD IEC 61000-4-2)
- Promised operational reliability in a wide temperature range (from -40°C to 85°C)

Firmware

- Wear-Leveling
- Early Move
- Supports S.M.A.R.T. function to conduct health monitoring, analysis, and reporting for storage devices
- Built-in ECC (Error Correction Code) functionality

Ordering Information

128MB	TS128MSDC220I
256MB	TS256MSDC220I
512MB	TS512MSDC220I
1GB	TS1GSDC220I
2GB	TS2GSDC220I
4GB	TS4GSDC220I

*Scope Pro is only available when used with the RDF5 card reader.*TS2GSDC220I is compliant with SD specification 2.0.

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	MLC NAND flash (SLC mode)
	Capacity	128 MB / 256 MB / 512 MB / 1 GB / 2 GB / 4 GB
Operating Environment	Operating Voltage	2.7V ~ 3.6V
	Drop Test	1.5m free fall
	Operating Temperature	Wide Temp. -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/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 22 MB/s
	Write Speed (Max.)	up to 20 MB/s
	Terabytes Written (TBW)	up to 66 TBW
Warranty	Certificate	CE / UKCA / FCC
	Warranty	Three-year Limited Warranty

Mechanical Dimensions