Embedded Solutions

SD Cards

SDXC/SDHC10M

Built with top-quality MLC NAND Flash chips, Transcend's industrial SDXC/SDHC Class 10 memory cards can endure operating temperatures from -25°C to 85°C; and set a new standard for consistent, long-term performance even in the harshest conditions. Moreover, these cards offer high-speed Class 10 data transfer rates and extra large storage space to satisfy the demanding performance and capacity requirements of industrial applications.

Hardware Features

- Compliant with RoHS 2.0 standards
- MLC NAND flash
- Compliant with Speed Class 10
- Compliant with SD specification 3.0
- Electrostatic protection (ESD IEC 61000-4-2)

Ordering Information

8GB	TS8GSDHC10M
16GB	TS16GSDHC10M
32GB	TS32GSDHC10M
64GB	TS64GSDXC10M

Firmware Features

- Mechanical Write Protection switch for data security
- Supports Content Protection for Recorded Media (CPRM)
- Built-in ECC (Error Correction Code) functionality
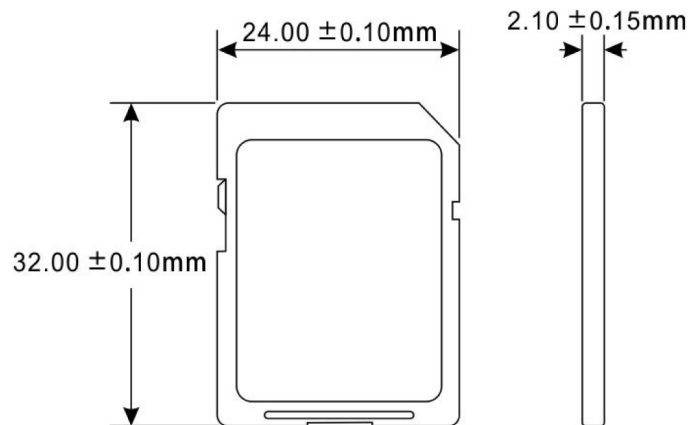- Wear-Leveling
- Early Move

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
	Capacity	8 GB / 16 GB / 32 GB / 64 GB
Operating Environment	Operating Voltage	2.7V ~ 3.6V
	Drop Test	1.5m free fall
	Operating Temperature	Standard Temp. -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 20 MB/s
	Write Speed (Max.)	up to 18 MB/s
	Terabytes Written (TBW)	up to 120 TBW
Warranty	Certificate	CE / FCC / UKCA
	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.