

microSD Cards



microSDHC Class 10

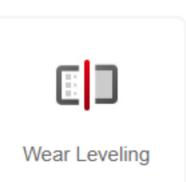
The ideal choice for small form factor devices with high performance demands, Transcend's High Capacity microSD cards are specifically designed for use in digital cameras, DV recorders, mobile phones, and other small devices. To ensure reliability and endurance, these microSD cards are manufactured using brand-name MLC NAND Flash chips and undergo extensive reliability testing at all stages of production.

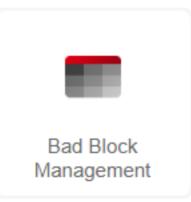


Technologies











Firmware Features

- · Built-in ECC (Error Correction Code) functionality
- · Early Move
- · Wear-Leveling · Supports Content Protection for Recorded Media (CPRM)
- · Power-saving partial and slumber modes
- · Power-saving auto-standby and power-off modes

Hardware Features

- · Compliant with RoHS 2.0 standards
- Electrostatic protection (ESD IEC 61000-4-2)
- · Compliant with SD specification 3.01
- · Compliant with Speed Class 10
- MLC NAND flash

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	

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Flash Type	MLC NAND flash
Capacity	4 GB / 8 GB / 16 GB / 32 GB
Operating Environmen	4

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 Consumption (Max.)	0.72 watt(s)

Performance

Write Speed (Max.) up to 22 MB/s Terabytes Written (TBW) up to 60 TBW • Speed may vary due to host hardware, software, usage, and storage capacity. • Terabytes Written (TBW) expresses the endurance under the highest capacity.	Read Speed (Max.)	up to 24 MB/s
Speed may vary due to host hardware, software, usage, and storage capacity. Terabytes Written (TBW) expresses the endurance under	Write Speed (Max.)	up to 22 MB/s
Note storage capacity. • Terabytes Written (TBW) expresses the endurance under	Terabytes Written (TBW)	up to 60 TBW
	Note	storage capacity. • Terabytes Written (TBW) expresses the endurance under

Warranty

Certificate	CE/FCC
Warranty	Three-year Limited Warranty
Warranty Policy	 Please click here for more information about the Transcend Warranty Policy. 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.

Order Information 4GB

TS4GUSDC10M microSDHC, C10

32GB

8GB

TS16GUSDC10M microSDHC, C10

16GB

TS8GUSDC10M microSDHC, C10

TS32GUSDC10M microSDHC, C10



View or download the product sheet for detailed product and ordering

information.



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