Embedded Solutions

SD Cards

SDHC/SDXC420T & SDHC/SDXC420I

3K P/E cycles

Utilizing top-quality 3D NAND Flash and rated to endure 3K P/E cycles, Transcend's SDXC/SDHC 420T memory 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.

Transcend also offers the SDXC/SDHC 420I with wide temperature (-40°C ~ 85°C) capabilities to ensure sustained functionality, enhanced endurance and optimal reliability.

Features

- Compliant with UHS-I
- Compliant with SD specification 5.1
- Supports UHS-I 10 Speed Class 10
- Supports Application Performance Class 1 (A1)
- Compliant with RoHS 2.0 standards
- Endurance: 3K P/E cycles (Program/Erase cycles) guaranteed
- Built-in ECC (Error Correction Code) functionality
- Electrostatic protection (ESD IEC 61000-4-2)
- Wide-temperature model available: promised operational reliability in a wide temperature range (from -40°C ~ 85°C)
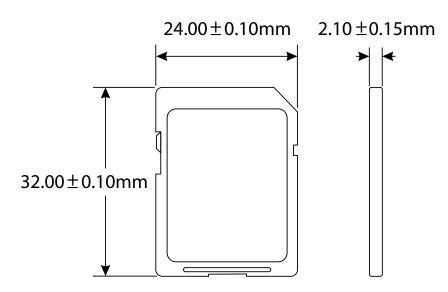
Ordering Information

Standard (-25°C~ 85°C)

32GB	TS32GSDC420T
64GB	TS64GSDC420T
128GB	TS128GSDC420T

Wide Temp. (-40°C~ 85°C)

32GB	TS32GSDC420I
64GB	TS64GSDC420I
128GB	TS128GSDC420I

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	3D NAND flash
	Capacity	32 GB/64 GB/128 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)
		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.)	0.5 watt(s)
Performance	Read Speed (Max.)	95 MB/s
	Write Speed (Max.)	40 MB/s
	Terabytes Written (Max.)	320 TB
Warranty	Certificate	CE/FCC/BSMI
	Warranty	Three-year Limited Warranty
Note	• Speed may vary due to host hardware, software, usage, and storage capacity.	

Mechanical Dimensions

24.00±0.10mm   2.10±0.15mm

32.00±0.10mm

Please feel free to contact us with any special requests you might have.
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