



SD Cards

SDC420T

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.

Hardware

- Compliant with SD specification 6.1
- Compliant with UHS-I
- Endurance: 3K P/E cycles (Program/Erase cycles) guaranteed
- Electrostatic protection (ESD IEC 61000-4-2)
- Power Shield (PS) to ensure data transfer integrity and minimize data corruption in the drive during an abnormal power outage

Ordering Information

16GB	TS16GSDC420T
32GB	TS32GSDC420T
64GB	TS64GSDC420T
128GB	TS128GSDC420T
256GB	TS256GSDC420T

Firmware

- Built-in ECC (Error Correction Code) functionality
- Early Move
- Wear-Leveling

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	16 GB / 32 GB / 64 GB / 128 GB / 256 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/s ² (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.)	2.88 watt(s)
Performance	Read Speed (Max.)	up to 95 MB/s
	Write Speed (Max.)	up to 40 MB/s
	Terabytes Written (TBW)	up to 640 TBW
Warranty	Certificate	CE / UKCA / FCC
	Warranty	Three-year Limited Warranty

Mechanical Dimensions

