



microSD Cards

USD400I

Utilizing top-quality MLC NAND flash, Transcend's microSDHC/XC400I memory cards combine the advantages of high performance and exceptional endurance. The microSDHC/XC400I can operate in a wide-temperature(-40°C ~ 85°C) environment, making it ideal for demanding industrial applications such as POS terminals, portable devices, and medical devices.

Hardware

- Compliant with RoHS 2.0 standards
- Compliant with SD specification 3.01
- Electrostatic protection (ESD IEC 61000-4-2)
- Compliant with UHS-I
- MLC NAND flash

Firmware

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

Ordering Information

8GB	TS8GUSD400I
16GB	TS16GUSD400I
32GB	TS32GUSD400I
64GB	TS64GUSD400I

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	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	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/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 70 MB/s
	Terabytes Written (TBW)	up to 125 TBW
Warranty	Certificate	CE / UKCA / FCC
	Warranty	Three-year Limited Warranty

Mechanical Dimensions

