



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 \sim 85° C) environment, making it ideal for demanding industrial applications such as POS terminals, portable devices, and medical devices.

Hardware Features

- 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 Features

- 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	



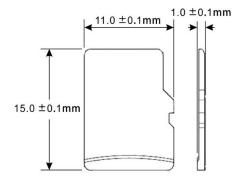


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Specifications

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/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.)	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 /FCC / BSMI / 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.



Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

US

sales@assured-systems.com

Sales: +1 347 719 4508 Support: +1 347 719 4508

1309 Coffeen Ave Ste 1200 Sheridan WY 82801 USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050 Support: +44 (0)1785 879 050

Unit A5 Douglas Park Stone Business Park Stone ST15 0YJ United Kingdom

VAT Number: 120 9546 28

Business Registration Number: 07699660