

## Embedded Solutions



## CompactFlash Cards CF300

Transcend's CF300 cards are high-speed industrial CF cards offering impressive 300X transfer rates. With matchless performance and durability, CF300 CF cards are perfect for POS and embedded systems that require both industrial-grade reliability and an ultra-high speed data transfer.

### Hardware Features

- Compliant with RoHS 2.0 standards
- Compliant with CompactFlash specification 6.0
- Durability: 10,000 insertion/removal cycles
- Power Shield (PS) to ensure data transfer integrity and minimize data corruption in the drive during an abnormal power outage

### Firmware Features

- Supports S.M.A.R.T. function to conduct health monitoring, analysis, and reporting for storage devices
- Security Command
- Wear-Leveling
- True IDE Mode supported: UDMA0-5 (default), MDMA0-4, PIO0-6
- True IDE Mode: Fixed Disk (Standard)

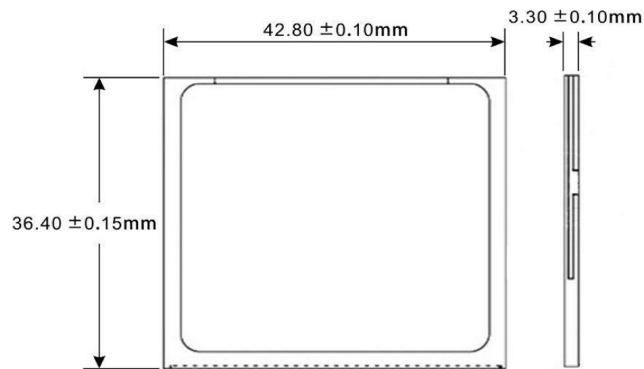
### Ordering Information

512MB	TS512MCF300
1GB	TS1GCF300
2GB	TS2GCF300

## Specifications

<b>Appearance</b>	Dimensions	42.8 mm x 36.4 mm x 3.3 mm (1.69" x 1.43" x 0.13")
	Pin Count	50 pin
	Form Factor	Compact flash card
<b>Storage</b>	Flash Type	SLC NAND flash
	Capacity	512 MB / 1 GB / 2 GB
<b>Operating Environment</b>	Operating Voltage	3.3V±5% 5V±10%
	Operating Temperature	Extended Temp. -25°C (-13°F) ~ 85°C (185°F)
	Storage Temperature	-40°C (-40°F) ~ 85°C (185°F)
	Humidity	0% ~ 95%
	Shock	15 G, 11 ms, 3 axis
	Vibration (Operating)	20 G (peak-to-peak), 20 Hz ~ 2,000 Hz (frequency)
<b>Power</b>	Power Consumption (Max.)	0.297 watt(s)
<b>Performance</b>	Read Speed (Max.)	Up to 24 MB/s
	Write Speed (Max.)	Up to 14 MB/s
	Mean Time Between Failures (MTBF)	1,000,000 hour(s)
<b>Warranty</b>	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.