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

Ordering Information

512MB	TS512MCF300
1GB	TS1GCF300
2GB	TS2GCF300

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
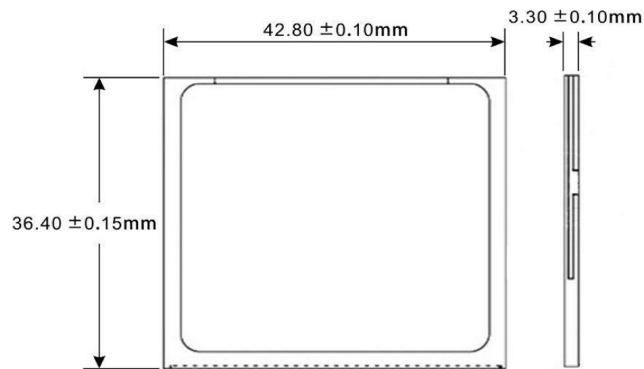- True IDE Mode: Fixed Disk (Standard)

Specifications

Appearance	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
Storage	Flash Type	SLC NAND flash
	Capacity	512 MB / 1 GB / 2 GB
Operating Environment	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)
Power	Power Consumption (Max.)	0.297 watt(s)
Performance	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)
Warranty	Warranty	Three-year Limited Warranty

Mechanical Dimensions