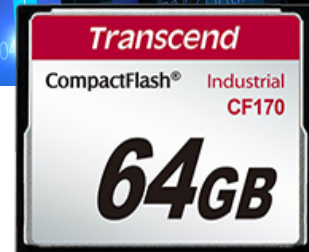**Embedded Solutions**

CompactFlash Cards
CF170

Boasting a high-speed data transfer rate and extra large capacity, Transcend's industrial CF170 CompactFlash cards are perfect for embedded systems, medical instruments, road surveillance systems, and other industrial applications having high performance and capacity demands. Thanks to their use of Static Data Refresh and Early Retirement technology, CF170 CF cards feature error correction capability, maintain data integrity, and have an extended lifespan.

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
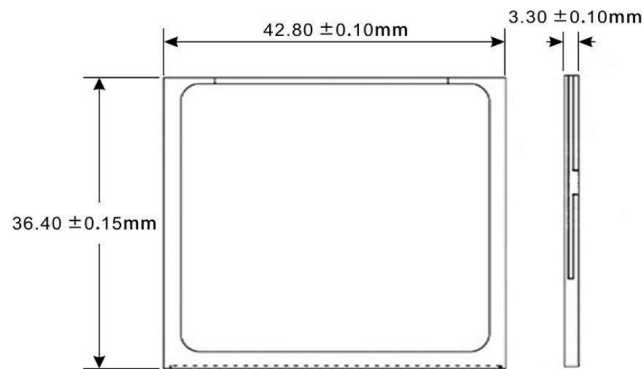
Firmware Features

- Supports S.M.A.R.T. function to conduct health monitoring, analysis, and reporting for storage devices
- Wear-Leveling
- Security Command
- Static Data Refresh
- Early Retirement

Ordering Information

8GB	TS8GCF170
16GB	TS16GCF170
32GB	TS32GCF170
64GB	TS64GCF170

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	MLC NAND flash
	Capacity	8 GB / 16 GB / 32 GB / 64 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.)	0.8 watt(s)
Performance	Read Speed (Max.)	Up to 87 MB/s
	Write Speed (Max.)	Up to 67 MB/s
	Mean Time Between Failures (MTBF)	1,000,000 hour(s)
Warranty	Warranty	Three-year Limited Warranty

Mechanical Dimensions