Apacer

The Most **Reliable** Storage For Industries

CM710-CF



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CM710-CF

Overview



Apacer industrial CM710-CF card is compliant with the CF 6.1 standard compatible specifications. Apacer adopts the standard 50-pin connector and MLC chip with higher capacity for the card. It is available in capacities from 8GB to 128GB. The data transfer mode is up to PIO Mode 6, Multiword DMA Mode 4, Ultra DMA Mode 6, with the sequential read/write speed reaching as fast as 95/55 MB/sec. To help data stay correct, this CM710-CF memory card also supports 96-bit ECC function, wear-leveling function, S.M.A.R.T. (Self- Monitoring, Analysis, and Reporting Technology) and supply voltage power-down detection for full power-down robustness, thereby substantially enhancing product reliability.

*The actual available memory on the device is less than what is listed on the package. This is due to small discrepancies in file formats and algorithms used by various operating systems. In addition, a portion of memory space is reserved for system files and data sectors for better performance.

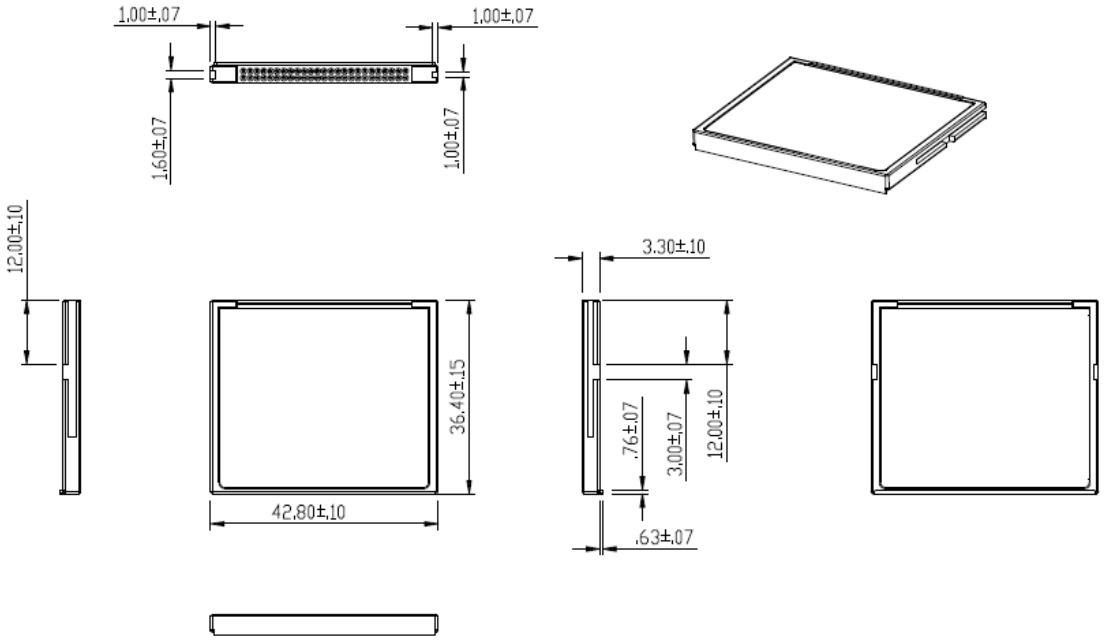
Feature

- Global Wear Leveling
- Built-in BCH ECC capable of correcting up to 96 bits in 1KB data
- Supports S.M.A.R.T commands
- Flash Block Management
- Power Failure Management

Specifications

Model	CM710-CF
Interface	PC Card Memory Mode; PC Card I/O Mode; True IDE Mode
Connector	50-pin
Form Factor	CompactFlash Type I
Transfer Mode	PIO Mode 6, Multiword DMA Mode 4, Ultra DMA Mode 6
NAND Flash Type	MLC
Capacity	8GB~128GB
Sustained Read Performance (MB/sec)	Up to 95
Sustained Write Performance (MB/sec)	Up to 55
ECC Engine	Built-in BCH ECC capable of correcting up to 96 bits in 1KB data
Standard Operating Temperature (°C)	0 ~ + 70
Extended Operating Temperature (°C)	-40 ~ + 85
Storage Temperature (°C)	-40 ~ + 100
H/W Write Protect	No
Shock	Operation: 50G, 11ms Non-operation: 1500G, 0.5ms
Vibration	Operation: 7.69 Grms, 20~2000 Hz/random (compliant with MIL-STD-810G) Non-operation: 4.02 Grms, 15 ~ 2000 Hz/sine
Operating Voltage	3.3 V / 5.0 V ± 5%
Power Consumption	Operating Voltage: 3.3V Active mode: 165 mA / Standby mode: 10 mA Operating Voltage: 5.0V Active mode: 170 mA / Standby mode: 10 mA
Dimension (L x W x H)	36.4mm x 42.8mm x 3.3mm
MTBF (hours)	>1,000,000

Mechanical Specification



Unit: mm

For more information, contact your Apacer representative

Global Presence

Taiwan (Headquarters)
Apacer Technology Inc.
Tel: +886-2-2267-8000
Fax: +886-2-2267-2261

Europe
Apacer Technology B.V.
Tel: +31-40-267-0000
Fax: +31-40-290-0686

U.S.A.
Apacer Memory America, Inc.
Tel: +1-408-518-8699
Fax: 1-510-249-9551

China
Apacer Electronic(Shanghai) Co., Ltd.
Tel: +86-21-6228-9939

Japan
Apacer Technology Corp.
Tel: +81-3-5419-2668
Fax: +81-3-5419-0018

India
Apacer Technologies Pvt. Ltd.
Tel: +91-80-41529061~3
Fax: +91-80-41700215