

# CompactFlash® Memory Card (CF) 203 Series



## The Cactus Technologies CompactFlash® Memory Card

**(CF) - 203 Series** is a high capacity solid-state flash memory product that complies with the Personal Computer Memory Card International Association (PCMCIA) ATA (PC Card ATA) standard. It also supports True IDE Mode, which is electrically compatible with an IDE disk drive. CompactFlash Memory Cards provide up to 8GB of formatted storage capacity in the CF Type I form factor.

## CACTUS CF CARD FEATURES

- **INDUSTRY STANDARD CF TYPE I FORM FACTOR**
- **CARD CAPACITIES**
  - 32MB to 8GB
- **INTERFACE SUPPORTS**
  - True IDE Mode
  - ATA PIO Mode 0-4
  - Multiword DMA Mode 2
- **DUAL VOLTAGE SUPPORT**
  - 3.3V or 5.0V
- **UNIQUE ELECTRONIC SERIAL CARD ID**
- **TRACEABILITY BARCODE**
- **SOLID STATE DESIGN WITH NO MOVING PARTS**
- **RELIABILITY**
  - High Data Reliability
  - High Shock & Vibration Tolerances
  - Wide Operating Temp Range
- **ZERO DB NOISE**
- **4-MILLION HOUR MTBF**
- **5-YEAR WARRANTY**



### PERFORMANCE

**Read Data Transfer Rate**

up to 8MB/sec

**Write Data Transfer Rate**

up to 6MB/sec



### RELIABILITY

- Supports Wear Leveling
- Supports ECC
- Less Than 1 Error in 10<sup>14</sup> Bits Read
- MTBF 4,000,000 Hours



### ENVIRONMENTAL & POWER

**Operating Temperature Range**

Standard 0°C to 70°C

Extended -45°C to +90°C



### POWER CONSUMPTION

	3.3V	5.0V
Read	45mA	47mA
Write	53mA	58mA
Sleep	0.4mA	0.8mA



### SHOCK & VIBRATION

Shock	3,000G
Vibration	30G peak-to-peak

CACTUS TECHNOLOGIES  
**CompactFlash® Memory Card (CF)**  
**203 Series**



**INDUSTRIAL GRADE CF CARD**

→ INTERFACE	PC Card ATA and True IDE Mode	
→ INTERFACE TRANSFER RATE	16.70MB/sec	
→ POWER REQUIREMENT	DC Input Voltage	3.3V ± 10% or 5V ± 10%
	Sleep	0.4mA      0.8mA
	Read	45mA      47mA
	Write	53mA      58mA
	→ ENVIRONMENTAL SPECIFICATION	Standard Temperature
	Extended Temperature	-45°C to +90°C
	Humidity	8-95%, non-condensing
	Acoustic Noise	0dB
	Vibration	30G peak to peak max.
	Shock	3000G max.
	Altitude	70,000 feet max.
→ RELIABILITY AND MAINTENANCE	Endurance	2,000,000 erase cycles per block
	MTBF	4,000,000 Hours
	Data Reliability	less than 1 Error in 10 <sup>14</sup> bits read
→ CARD CAPACITY	32MB to 8GB	

**Cactus Technologies Limited**  
 Suite C, 15/F, Capital Trade Center  
 62 Tsun Yip Street, Kwun Tong  
 Kowloon, Hong Kong  
 Tel: +852-2797-2277  
 Email: sales@cactus-tech.com

**Cactus USA**  
 3112 Windsor Road  
 Suite A356  
 Austin, Texas 78703  
 Tel: (512) 775-0746  
 Email: americas@cactus-tech.com



www.cactus-tech.com