

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 10¹⁴ 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
→ ENVIRONMENTAL SPECIFICATION	Write	53mA 58mA
	Standard Temperature	0°C to 70°C
	Extended Temperature	-45°C to +90°C
	Humidity	8-95%, non-condensing
	Acoustic Noise	0dB
	Vibration	30G peak to peak max.
→ RELIABILITY AND MAINTENANCE	Shock	3000G max.
	Altitude	70,000 feet max.
	Endurance	2,000,000 erase cycles per block
→ CARD CAPACITY	MTBF	4,000,000 Hours
	Data Reliability	less than 1 Error in 10 ¹⁴ bits read

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