

# CompactFlash® Memory Card (CF) 220 Series



## The Cactus Technologies CompactFlash® Memory Card (CF) - 220 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 128GB of formatted storage capacity in the CF Type I form factor.

## CACTUS CF CARD FEATURES

- **INDUSTRY STANDARD CF TYPE I FORM FACTOR**
- **CARD CAPACITIES**
  - 4GB to 128GB
- **INTERFACE SUPPORTS**
  - TrueIDE Mode
  - ATA PIO Mode 0-6
  - Multiword DMA Mode 0-4
  - UDMA Mode 0-6
- **DUAL VOLTAGE SUPPORT**
  - 3.3V or 5.0V
- **UNIQUE ELECTRONIC SERIAL CARD ID**
- **TRACEABILITY BARCODE**
- **SOLID STATE DESIGN WITH NO MOVING PARTS**
- **INDUSTRY LEADING**
  - Data Reliability
  - Shock & Vibration
  - Data Transfer Rates
- **ZERO DB NOISE**
- **2-YEAR WARRANTY**



### PERFORMANCE

#### Read Data Transfer Rate

up to 80MB/sec

#### Write Data Transfer Rate

up to 65MB/sec



### RELIABILITY

- Advanced Wear Leveling Algorithm
- Error Checking & Correction
- Less Than 1 Error in 10<sup>14</sup> Bits Read
- 100K pgm/erase cycles



### ENVIRONMENTAL & POWER

#### Operating Temperature Range

Standard 0°C to 70°C



### POWER CONSUMPTION

	5.0V
Read	220mA
Write	300mA
Sleep	1mA



### SHOCK & VIBRATION

Shock	3000G
Vibration	30G peak-to-peak

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



**INDUSTRIAL GRADE CF CARD**

→ INTERFACE	PC Card ATA and True IDE Mode	
→ INTERFACE TRANSFER RATE	133MB/sec	
→ POWER REQUIREMENT	DC Input Voltage	3.3V ± 10% or 5V ± 10%
	Sleep	1mA
	Read	220mA
→ ENVIRONMENTAL SPECIFICATION	Write	300mA
	Standard Temperature	0°C to 70°C
	Humidity	8-95%, non-condensing
	Acoustic Noise	0dB
	Vibration	30G peak to peak max.
→ RELIABILITY AND MAINTENANCE	Shock	3000G max.
	Altitude	100,000 feet max.
→ CARD CAPACITY	Endurance	100,000 erase cycles per block
	Data Reliability	less than 1 Error in 10 <sup>14</sup> bits read

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