

CompactFlash® Memory Card (CF) 303 Series



The Cactus Technologies CompactFlash Memory Card (CF) - 303 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 32GB of formatted storage capacity in the CF Type I form factor.

CACTUS CF CARD FEATURES

- **INDUSTRY STANDARD CF TYPE I FORM FACTOR**
- **CARD CAPACITIES**
 - 128MB to 32GB
- **INTERFACE SUPPORTS**
 - True IDE Mode
 - ATA PIO Mode 0-6
 - Multiword DMA Mode 0-4
 - UDMA Mode 0-4*
- **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
 - Operating Temp Range
 - Data Transfer Rates
- **ZERO DB NOISE**
- **4-MILLION HOUR MTBF**
- **5-YEAR WARRANTY**



PERFORMANCE

Read Data Transfer Rate

up to 35MB/sec

Write Data Transfer Rate

up to 20MB/sec



RELIABILITY

- Advanced Wear Leveling Algorithm
- Error Checking & Correction
- 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

5.0V

Read 220mA

Write 180mA

Sleep 0.5mA



SHOCK & VIBRATION

Shock 3,000G

Vibration 30G peak-to-peak

CACTUS TECHNOLOGIES
CompactFlash® Memory Card (CF)
303 Series



INDUSTRIAL GRADE COMPACTFLASH CARD

→ INTERFACE	PC Card ATA and True IDE Mode	
→ INTERFACE TRANSFER RATE	66MB/sec	
→ POWER REQUIREMENT	DC Input Voltage	3V or 5V ± 10%
	Sleep	0.5mA
	Read	220mA
→ ENVIRONMENTAL SPECIFICATION	Write	180mA
	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	100,000 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
→ CARD CAPACITY	128MB to 32GB	

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