

# CACTUS TECHNOLOGIES PCMCIA® Memory Card (PC) 303 Series



The Cactus Technologies PCMCIA® Memory Card (PC) - 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. PC card ATA Memory Cards provide up to 32GB of formatted storage capacity in the PC card 5.0 mm form factor.

## CACTUS PC CARD FEATURES

- **INDUSTRY STANDARD PC CARD 5.0 MM 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 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

	5.0V
Read	220mA
Write	180mA
Sleep	0.5mA



### SHOCK & VIBRATION

Shock	3,000G
Vibration	20G peak-to-peak

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**PCMCIA® Memory Card (PC)**  
**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	
	Write	180mA	
	→ ENVIRONMENTAL SPECIFICATION	Standard Temperature	0°C to 70°C
		Extended Temperature	-45°C to +90°C
Humidity		8-95%, non-condensing	
Acoustic Noise		0dB	
Vibration		20G peak to peak max.	
Shock		3000G max.	
Altitude		100,000 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	128MB to 32GB		

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