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^{14} 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

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^{14} bits read

CARD CAPACITY	128MB to 32GB	