The Cactus Technologies PCMCIA® Memory Card (PC) - 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. PC card ATA Memory Cards provide up to 16GB 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**
  - 32MB to 16GB

- **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
- 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

	3.3V	5.0V
Read	45mA	47mA
Write	53mA	58mA
Sleep	0.4mA	0.8mA

SHOCK & VIBRATION

Shock	2,000G
Vibration	30G peak-to-peak

Cactus
Technologies

INDUSTRIAL GRADE PCMCIA 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
	Write	53mA	58mA

➔ 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	30G peak to peak max.
	Shock	2000G max.
	Altitude	70,000 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	32MB to 16GB	

RoHS Compliant

www.cactus-tech.com