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**
  - Supports Wear Leveling
  - Error Checking & Correction
  - Less Than 1 Error in $10^{14}$ Bits Read
  - MTBF 4,000,000 Hours

- **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**

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

**SHOCK & VIBRATION**

- **Shock**: 2,000G
- **Vibration**: 30G peak-to-peak
## INDUSTRIAL GRADE PCMCIA CARD

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<th>PC Card ATA and True IDE Mode</th>
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<td>INTERFACE TRANSFER RATE</td>
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<td>3.3V ± 10% or 5V ± 10%</td>
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<tr>
<td>Read</td>
<td>45mA 47mA</td>
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<tr>
<td>Write</td>
<td>53mA 58mA</td>
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<td>Standard Temperature</td>
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<td>Extended Temperature</td>
<td>-45°C to +90°C</td>
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<td>8-95%, non-condensing</td>
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<tr>
<td>Acoustic Noise</td>
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<tr>
<td>Vibration</td>
<td>30G peak to peak max.</td>
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<tr>
<td>Shock</td>
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<td>Altitude</td>
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<tr>
<td>RELIABILITY AND MAINTENANCE</td>
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<tr>
<td>Endurance</td>
<td>2,000,000 erase cycles per block</td>
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<tr>
<td>MTBF</td>
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<tr>
<td>Data Reliability</td>
<td>less than 1 Error in $10^{14}$ bits read</td>
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<tr>
<td>CARD CAPACITY</td>
<td>32MB to 16GB</td>
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</tbody>
</table>

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