The Cactus Technologies CFast Card - 900S Series is a high capacity solid state flash memory product that complies with the serial ATA 2.6 standard and is functionally compatible with a SATA Hard Disk Drive. Cactus Technologies CFast cards provide up to 128GB of formatted storage capacity.

**CACTUS CFAST CARD FEATURES**

- **INDUSTRY STANDARD CFAST FORM FACTOR**
- **CARD CAPACITIES**
  - 1GB to 128GB
- **SUPPORTS SATA I/II 1.5/3.0 GBPS TRANSFER RATE**
- **COMPLIANT WITH:**
  - Serial ATA 2.6 Spec
  - ANSI ATA 8 Spec
  - CFA CFast 1.0 Spec
- **3.3V OPERATION**
- **UNIQUE ELECTRONIC DEVICE ID**
- **TRACEABILITY BARCODE**
- **SMART LIFE CYCLE ANALYSIS OPTION**
- **SOLID STATE DESIGN**
- **RELIABILITY**
  - Industrial Wear Leveling
  - Industrial Error Checking & Correction
  - Less Than 1 Error in $10^{14}$ Bits Read
  - MTBF 4,000,000 Hours
- **4-MILLION HOUR MTBF**
- **5-YEAR WARRANTY**

**PERFORMANCE**

- Read Data Transfer Rate
  - up to 110MB/sec
- Write Data Transfer Rate
  - up to 90MB/sec

**RELIABILITY**

- Operating Temperature Range
  - Standard: 0°C to 70°C
  - Extended: -45°C to +90°C

**ENVIRONMENTAL & POWER**

- Power Consumption
  - Read: 220mA
  - Write: 300mA
  - Sleep: 75mA

**SHOCK & VIBRATION**

- Shock: 3,000G
- Vibration: 20G peak-to-peak
**INDUSTRIAL GRADE CFast Card**

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<tr>
<th>FEATURE</th>
<th>SPECIFICATION</th>
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<td><strong>INTERFACE</strong></td>
<td>CFast 1.0 Spec; ANSI ATA 8 Spec; Serial ATA 2.6 Spec</td>
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<td><strong>INTERFACE TRANSFER RATE</strong></td>
<td>3.0Gb/sec</td>
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<td><strong>POWER REQUIREMENT</strong></td>
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<tr>
<td>DC Input Voltage</td>
<td>3.3V ± 10%</td>
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<td>Sleep</td>
<td>75mA</td>
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<tr>
<td>Read</td>
<td>220mA</td>
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<td>Write</td>
<td>300mA</td>
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<tr>
<td>Extended Temperature</td>
<td>-45°C to +90°C</td>
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<tr>
<td>Humidity</td>
<td>8-95%, non-condensing</td>
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<tr>
<td>Acoustic Noise</td>
<td>0dB</td>
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<tr>
<td>Vibration</td>
<td>20G peak to peak max.</td>
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<tr>
<td>Shock</td>
<td>3000G max.</td>
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<tr>
<td>Altitude</td>
<td>100,000 feet max.</td>
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<tr>
<td><strong>RELIABILITY AND MAINTENANCE</strong></td>
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<tr>
<td>Endurance</td>
<td>2,000,000 erase cycles per block</td>
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<td>MTBF</td>
<td>4,000,000 Hours</td>
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<tr>
<td>Data Reliability</td>
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**Cactus Technologies Limited**
Suite C, 15/F, Capital Trade Center
62 Tsun Yip Street, Kwun Tong
Kowloon, Hong Kong
Tel: +852-2797-2277
Email: sales@cactus-tech.com

**Cactus USA**
3112 Windsor Road
Suite A356
Austin, Texas 78703
Tel: (512) 775-0746
Email: americas@cactus-tech.com

[www.cactus-tech.com](http://www.cactus-tech.com)