The Cactus Technologies 1.8” IDE Solid State Drive (SSD) - 303 Series is a high capacity solid-state flash memory product that complies with the IDE interface. Our 1.8” line of robust and reliable storage solutions are designed for today’s rigorous industrial market applications. The storage capacity of the Solid State Drive line ranges from 128MB to 32GB.

**CACTUS 1.8” IDE SSD FEATURES**

- **INDUSTRY STANDARD 1.8” FORM FACTOR**
- **CARD CAPACITIES**
  - 128MB to 32GB
- **WRITE-ABORT AND BROWN-OUT PROTECTION CIRCUITRY**
- **INTERFACE SUPPORTS**
  - ATA PIO Mode 0-4
  - Multiword DMA Mode 0-2
  - UDMA Mode 0-4
- **DUAL VOLTAGE SUPPORT**
  - 3.3V or 5.0V
- **UNIQUE ELECTRONIC SERIAL CARD ID**
- **TRACEABILITY BARCODE**
- **SMART LIFE CYCLE ANALYSIS OPTION**
- **SOLID STATE DESIGN**
- **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
- Industrial Error Checking & Correction
- Less Than 1 Error in 10¹⁴ 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 220mA
  - Write 180mA
  - Sleep 0.5mA

**SHOCK & VIBRATION**

- **Shock** 3,000G
- **Vibration** 20G peak-to-peak
1.8” IDE Solid State Drive (SSD)

303 Series

INDUSTRIAL GRADE IDE SOLID STATE DRIVE

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<tr>
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<tr>
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<tr>
<td>Endurance</td>
<td>2,000,000 erase cycles per block</td>
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<td>Data Reliability</td>
<td>less than 1 Error in 10¹⁴ bits read</td>
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<td>CARD CAPACITY</td>
<td>128MB to 32GB</td>
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