The Cactus Technologies CFast Card - 240S Series is a high capacity solid state flash memory product that complies with the serial ATA 3.1 standard, CFast 2.0, ATA-8 and is functionally compatible with a SATA Hard Disk Drive. Cactus Technologies 240S CFast cards are based on MLC NAND and provide up to 128GB of formatted storage capacity.

**CACTUS CFAST CARD FEATURES**

- **INDUSTRY STANDARD CFAST FORM FACTOR**
- **CARD CAPACITIES 8GB to 128GB**
- **SUPPORTS SATA 1.5/3.0/6.0 GBPS TRANSFER RATE**
- **COMPLIANT WITH:**
  - Serial ATA 3.1 Spec
  - ANSI ATA-8 Spec
  - CFA CFast 2.0 Spec
- **3.3V ± 5% OPERATION**
- **MLC NAND**
- **SUPPORTS NCQ W/MAX QUEUE DEPTH OF 32**
- **ATA SECURITY FEATURE SET**
- **TRACEABILITY BARCODE**
- **SUPPORTS TRIM COMMANDS**
- **SMART LIFE CYCLE ANALYSIS**
- **SOLID STATE DESIGN**
- **RELIABILITY**
  - Wear Leveling
  - Error Checking & Correction
  - Less Than 1 Error in $10^{14}$ Bits Read
  - MTBF 200,000 Hours
- **200K HOUR MTBF**
- **2-YEAR WARRANTY**

**PERFORMANCE**

- Read Data Transfer Rate up to 350MB/sec
- Write Data Transfer Rate up to 180MB/sec

**RELIABILITY**

- Operating Temperature Range
  - Standard 0°C to 70°C
  - Extended −40°C to 85°C

**ENVIRONMENTAL & POWER**

- POWER CONSUMPTION
  - Read 410 mA
  - Write 530 mA
  - Sleep 90 mA

**SHOCK & VIBRATION**

- Shock 3,000G
- Vibration 20G peak-to-peak
## COMMERCIAL GRADE CFast CARD

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**Cactus Technologies**

**CFast Card**

**240S Series**

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