The Cactus Technologies USB Flash Drive - 100 Series is a low capacity solid state flash memory product that complies with the USB2.0 standard. Cactus UFDs provide up to 8GBs of formatted storage capacity and are designed to plug directly into the USB-A receptacles. Cactus UFDs are designed to be used in applications which require a low capacity solid state disk that is compatible with the USB interface.

**CACTUS USB FLASH DRIVE**

- **INDUSTRY STANDARD USB2.0 INTERFACE**
- **FLASH DRIVE CAPACITIES**
  - 128MB to 8GB
- **PLUGS INTO INDUSTRY STANDARD USB-A RECEPTACLES**
- **VOLTAGE SUPPORT**
  - 5.0V
- **UNIQUE ELECTRONIC SERIAL ID**
- **COMPLIANT WITH USB MASS STORAGE CLASS SPEC V1.0**
- **SUPPORTS BOOTING FROM USB DEVICE**
- **SOLID STATE DESIGN WITH NO MOVING PARTS**
- **RELIABILITY**
  - Supports Wear Leveling
  - Supports ECC
  - Less Than 1 Error in 10^{14} Bits Read
  - MTBF 6,500,000 Hours
- **PERFORMANCE**
  - Read Data Transfer Rate up to 33MB/sec
  - Write Data Transfer Rate up to 26MB/sec
- **ENVIRONMENTAL & POWER**
  - Operating Temperature Range
    - Standard 0°C to 70°C
    - Extended -45°C to +90°C
- **POWER CONSUMPTION**
  - Read 130mA
  - Write 130mA
  - Standby 58mA
- **SHOCK & VIBRATION**
  - Shock 3000G
  - Vibration 20G peak-to-peak
- **ZERO DB NOISE**
- **6.5-MILLION HOUR MTBF**
- **5-YEAR WARRANTY**
INDUSTRIAL GRADE USB FLASH DRIVE

**INTERFACE**
- Industry Standard USB2.0

**INTERFACE TRANSFER RATE**
- 35MB/sec

**POWER REQUIREMENT**
- DC Input Voltage: 5V ± 10%
- Standby: 58mA
- Read: 130mA
- Write: 130mA

**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: 20G peak to peak max.
- Shock: 3000G max.
- Altitude: 100,000 feet max.

**RELIABILITY AND MAINTENANCE**
- Endurance: 2,000,000 erase cycles per block
- MTBF: 6,500,000 Hours
- Data Reliability: less than 1 Error in $10^{14}$ bits read

**CARD CAPACITY**
- 128MB to 8GB