The Cactus Technologies Solid State Drive (SSD) - 910S Series is a high capacity solid-state flash memory product that complies with the Serial ATA 3.0 standard and is functionally compatible with a SATA hard disk drive. Cactus Technologies® -910S series SSD provide up to 640GB of formatted storage capacity.

**CACTUS SATA III SSD FEATURES**

- **INDUSTRY STANDARD 2.5" FORM FACTOR**
- **CARD CAPACITIES**
  - 64GB to 640GB
- **SUPPORTS SATA I/II/III 1.5/3.0/6.0 GBPS TRANSFER RATE**
- **5V OPERATION**
- **SUPPORTS:**
  - ATA SMART Feature Set
  - ATA Security Feature Set
  - SATA NCQ w/ max. 32 Queue depth
  - SATA partial and slumber modes
- **UNIQUE ELECTRONIC DEVICE ID**
- **UP TO 60K IOPS**
- **TRACEABILITY BARCODE**
- **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
- **ENVIRONMENTAL & POWER**
  - **Operating Temperature Range**
    - Standard: 0°C to 70°C
    - Extended: -45°C to +90°C
- **POWER CONSUMPTION**
  - 5.0V
  - Read: 470mA
  - Write: 660mA
  - Standby: 230mA
- **SHOCK & VIBRATION**
  - Shock: 3,000G
  - Vibration: 20G peak-to-peak

**PERFORMANCE**

- **Read Data Transfer Rate**
  - up to 430MB/sec
- **Write Data Transfer Rate**
  - up to 440MB/sec

**RELIABILITY**

- Industrial Wear Leveling
- Industrial Error Checking & Correction
- Less Than 1 Error in 10\(^{14}\) Bits Read
- MTBF 4,000,000 Hours
## Cactus Technologies
2.5” Solid State Drive (SSD)
910S Series

### Industrial Grade Solid State Drive

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