The Cactus Technologies - 230S Pro Series SSD 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® -230S Pro Series SSD provide up to 640GB of formatted storage capacity and have the added features of AES256 Encryption as well as Quick Erase via a hardware jumper.

CACTUS SATA III SSD FEATURES

- INDUSTRY STANDARD 2.5” FORM FACTOR
- SSD CAPACITIES
  - 128GB to 640GB
- AES256 ENCRYPTION
- QUICK ERASE (512GB in <15 seconds)
- SUPPORTS SERIAL ATA I/II/III
  - 1.5/3.0/6.0 GBPS TRANSFER RATE
- COMPLIANT WITH:
  - Serial ATA 3.0 Spec
  - ATA8-ACS2 Command Set
- 5.0V OPERATION
- SUPPORTS:
  - ATA SMART Feature Set
  - ATA Security Feature Set
  - SATA NCQ w/ max. 32 Queue depth
  - SATA partial and slumber modes
- RELIABILITY
  - High Data Reliability
  - High Shock & Vibration Tolerances
- SOLID STATE DESIGN
- 200K HOUR MTBF
- 2-YEAR WARRANTY

PERFORMANCE

- Read Data Transfer Rate
  - up to 380 MB/sec
- Write Data Transfer Rate
  - up to 400 MB/sec

RELIABILITY

- Advanced Wear Leveling
- Error Checking & Correction
- Less Than 1 Error in 10^14 Bits Read

ENVIRONMENTAL & POWER

- Operating Temperature Range
  - Standard: 0°C to 70°C
  - Extended: Contact Cactus

POWER CONSUMPTION

- Read: 440mA
- Write: 1.15A
- Standby: 230mA

SHOCK & VIBRATION

- Shock: 3,000G
- Vibration: 20G peak-to-peak
## COMMERCIAL GRADE SOLID STATE DRIVE

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<th>Specification</th>
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<td>6.0Gb/sec</td>
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<td>Standard Temperature</td>
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<td>Extended Temperature</td>
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<tr>
<td>Humidity</td>
<td>8-95%, non-condensing</td>
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<td>100,000 erase cycles per block</td>
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<td>MTBF</td>
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<td>less than 1 Error in 10^14 bits read</td>
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<td><strong>CARD CAPACITY</strong></td>
<td>128GB to 640GB</td>
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RoHS Compliant