

Slim SATA Solid State Drive (SSD) 900S Series



The Cactus Technologies Slim SATA Solid State Drive (SSD) - 900S Series is a high capacity solid state flash memory product that complies with the serial ATA 2.6 standard and is functionally compatible with a SATA Hard Disk Drive. Cactus Technologies Slim SATA SSDs provide up to 64GB of formatted storage capacity.

CACTUS SLIM SATA FEATURES

- **INDUSTRY STANDARD SLIM SATA FORM FACTOR**
- **MODULE CAPACITIES**
 - 4GB to 64GB
- **SUPPORTS SATA I/II 1.5/3.0 GBPS TRANSFER RATE**
- **COMPLIANT WITH:**
 - Serial ATA 2.6 Spec
 - ANSI ATA 8 Spec
- **3.3V OPERATION**
- **UNIQUE ELECTRONIC DEVICE ID**
- **SMART LIFE CYCLE ANALYSIS OPTION**
- **SOLID STATE DESIGN**
- **RELIABILITY**
 - High Data Reliability
 - High Shock & Vibration Tolerances
 - Wide Operating Temp Range
- **4-MILLION HOUR MTBF**
- **5-YEAR WARRANTY**



PERFORMANCE

Read Data Transfer Rate

up to 110MB/sec

Write Data Transfer Rate

up to 90MB/sec



RELIABILITY

- Industrial Wear Leveling
- 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

	3.3V
Read	220mA
Write	300mA
Sleep	75mA



SHOCK & VIBRATION

Shock	3,000G
Vibration	20G peak-to-peak

CACTUS TECHNOLOGIES

Slim SATA Solid State Drive (SSD) 900S Series



INDUSTRIAL GRADE SLIM SATA SSD

→ INTERFACE	Slim SATA Serial ATA 2.6 Spec; ANSI ATA 8 Spec	
→ INTERFACE TRANSFER RATE	3.0Gb/sec	
→ POWER REQUIREMENT	DC Input Voltage	3.3V ± 10%
	Sleep	75mA
	Read	220mA
→ ENVIRONMENTAL SPECIFICATION	Write	300mA
	Standard Temperature	0°C to 70°C
	Extended Temperature	-45°C to +90°C
	Humidity	8-95%, non-condensing
	Acoustic Noise	0dB
→ RELIABILITY AND MAINTENANCE	Vibration	20G peak to peak max.
	Shock	3000G max.
	Altitude	100,000 feet max.
→ CARD CAPACITY	Endurance	2,000,000 erase cycles per block
	MTBF	4,000,000 Hours
	Data Reliability	less than 1 Error in 10 ¹⁴ bits read

Cactus Technologies Limited
Suite C, 15/F, Capital Trade Center
62 Tsun Yip Street, Kwun Tong
Kowloon, Hong Kong
Tel: +852-2797-2277
Email: sales@cactus-tech.com

Cactus USA
3112 Windsor Road
Suite A356
Austin, Texas 78703
Tel: (512) 775-0746
Email: americas@cactus-tech.com



www.cactus-tech.com