

2.5" SATA Solid State Drive Industrial Temp

General Description

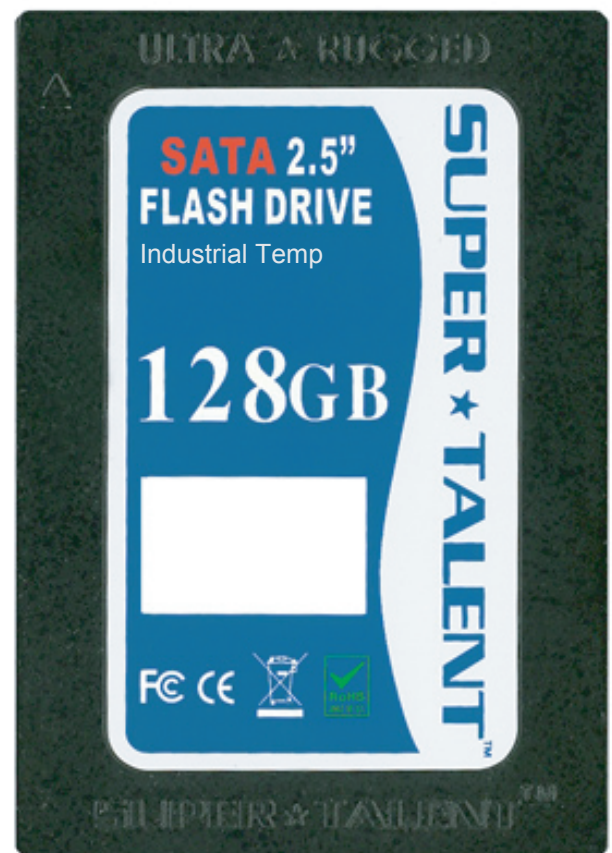
The SATA Flash Drive SS16/32/64/28A5C25I series is a Serial ATA interface solid state disk (SSD) drive that features a flash disk controller chip and NAND type flash memory devices. This 2.5 inch form factor SSD series is available in 16GB, 32GB, 64GB and 128GB capacities. The drive uses a 5-volt power supply and supports SATA data transfer. This SATA SSD is geared specifically to military and industrial markets for use in such products as avionics, video on demand, ATM, factory automation machines, POS terminals, measuring products, ticket vending machines, parking systems and other industrial products that require an extended temperature range and high tolerance to environmental conditions.

Features

- Capacity: 16GB to 128GB
- Form factor: 3.5 inch type (HDD compatible)
- SATA interface: Serial ATA command set compatible
- Power supply: Vcc=5.0V +/-5%
- Operating temperature: □ Industrial: -40C to +85C
- Performance:
 - Sequential Read Rate: □ 60MB/sec (min)
 - Sequential Write Rate: □ 45MB/sec (min)
 - Sequential Read IOPS: □ 58,675 IOPS
 - Access Time: □ □ 0.1ms
- Shock: 1500G (operating)
- Vibration: 16G (operating)

Specifications

- Compatibility: Full SATA hard disk compatible
- OS Support: All
- Package: Complete metal housing
- Reliability:
 - MTBF: >1,000,000 hours
 - Data reliability: Built-in EDC/ECC function
 - Patent pending Wear-leveling algorithms
- Endurance: □
 - Read: Unlimited
 - Write/Erase: >140 years @ 50GB write-erase /day



Designed and Manufactured in USA

Ordering Information

Capacity	Model No.
8GB	SS8A5C25I
16GB	SS16A5C25I
32GB	SS32A5C25I
64GB	SS64A5C25I
128GB	SS28A5C25I

DuraTech USA Inc.
6765 Westminster Ave #314 Westminster, CA 92683
Phone: (714) 898-2171 Fax: (714) 898-2502
Email: sales@DuraTechUSA.com

2.5" SATA Solid State Drive Industrial Temp

SATA Flash Drive Pin Assignment

Signal Segment

Pin	Signal Name	Description
S1	GND	
S2	RxP	Differential Signal Pair for Receive
S3	RxN	
S4	GND	
S5	TxN	Differential Signal Pair for Receive
S6	TxP	
S7	GND	

Power Segment

Pin	Signal Name	Description
P1	Not Used (3.3V)	N/A
P2	Not Used (3.3V)	N/A
P3	Not Used (3.3V Precharge)	
P4	GND	1st mate
P5	GND	2nd mate
P6	GND	
P7	5V Precharge	5V Power
P8	5V Precharge	5V Power
P9	5V Precharge	
P10	GND	
P11	Reserved	
P12	GND	1st mate
P13	Not Used (12V Precharge)	N/A
P14	Not Used (12V)	
P15	Not Used (12V)	

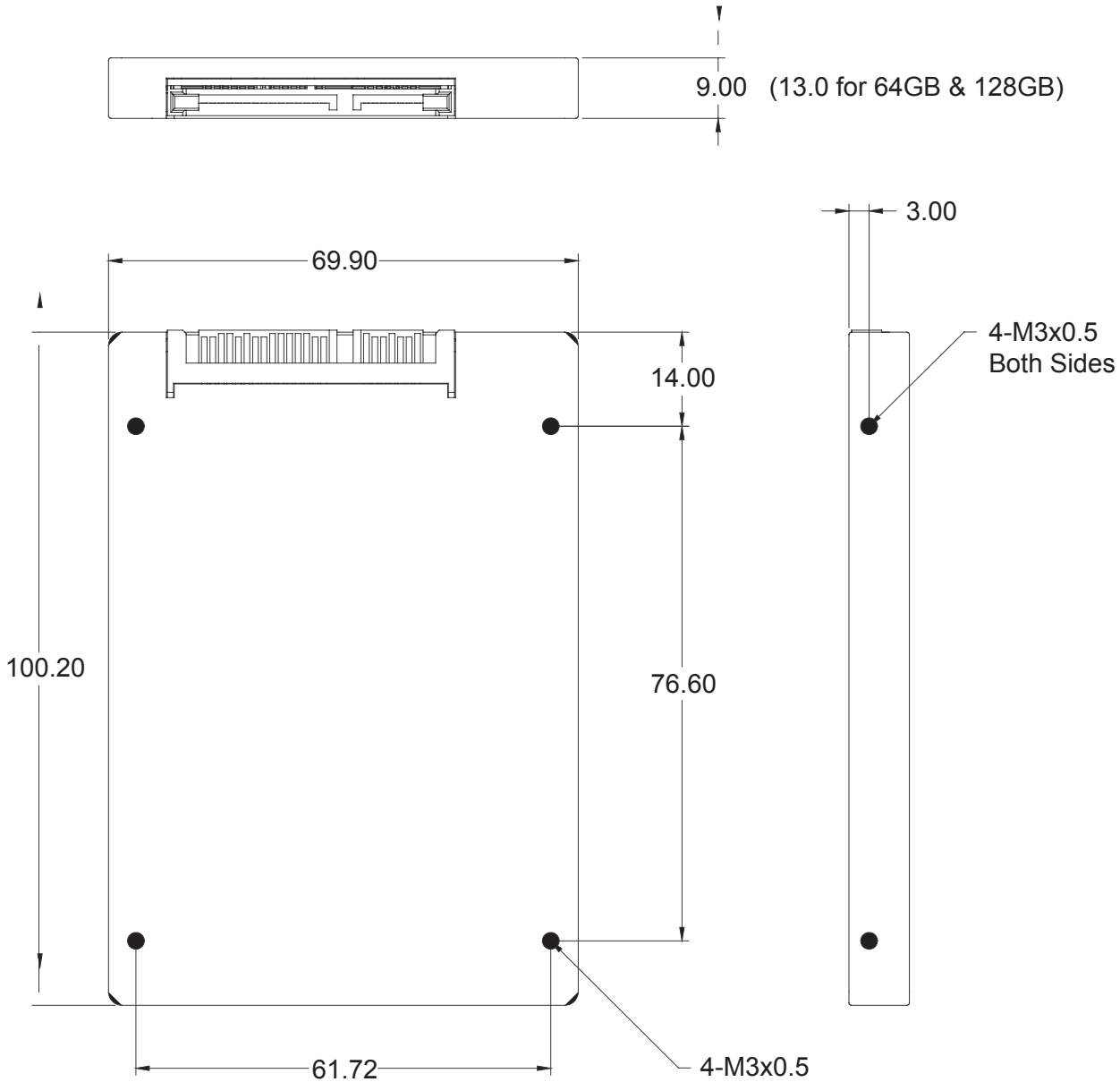
Revision History

Nov 16, 2007 □ Rev-A Introducing Industrial Temperature Range

DuraTech USA Inc.
6765 Westminster Ave #314 Westminster, CA 92683
Phone: (714) 898-2171 Fax: (714) 898-2502
Email: sales@DuraTechUSA.com

2.5" SATA Solid State Drive Industrial Temp

Mechanical Specifications



DuraTech USA Inc.
6765 Westminster Ave #314 Westminster, CA 92683
Phone: (714) 898-2171 Fax: (714) 898-2502
Email: sales@DuraTechUSA.com