Datasheet

2.5” SATA SSD

1SR series

- Compliant with MIL-STD-810-F/G
- AES 256-bit hardware encryption
- FIPS 140-2 validated
- Data Security (QEraser/ SEraser/ Destroy/ Write Protect)
- Conformal coating (Optional)
- iCell technology for data protection



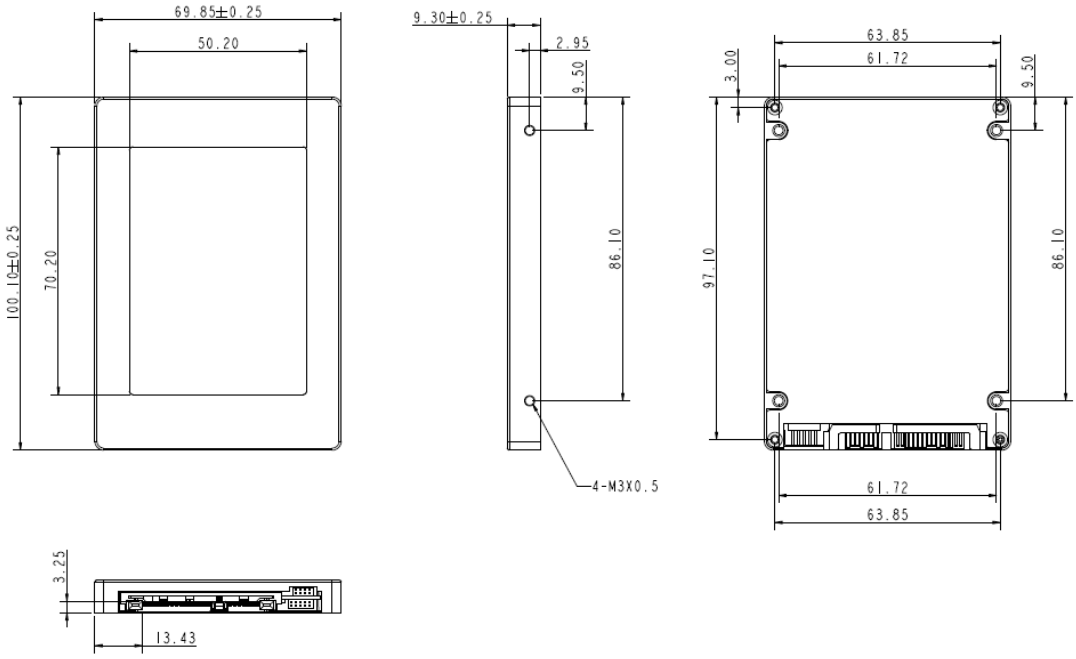
Introduction

The 2.5” SATA SSD 1SR is a high-capacity flash memory SSD designed for aerospace and defense applications. It comes with several data security functions, including SEraser, QEraser, Destroy, Write Protect, and AES function. The 2.5” SATA SSD 1SR complies with the SATA I (1.5Gb/s) standard and ATA protocol, and delivers excellent performance, with sustained read and write speeds reaching 120MB/second and up to 70MB/second respectively.

2.5” SATA SSD

1SR series

Drawing



Contact us for more information about the 2.5” SATA SSD 1SR

Innodisk is a service-driven provider of industrial embedded flash and DRAM storage products and technologies, with a focus on the industrial/embedded, aerospace and defense, and cloud computing industries.

Interface	SATA I
Flash Type	SLC
Flash P/E cycle limit	100,000
Capacity	8GB~256GB
Max. Channels	8
Sequential R/W (MB/sec, max.)	120 / 70
Max. Power Consumption	2.9 W (5V x 580 mA)
Thermal Sensor	√
External DRAM Buffer	√
H/W Write Protect	√
ATA Security	√
S.M.A.R.T.	√
Dimension (WxLxH)	69.85 X 100.10 X 9.30 mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours

Ordering Information

Operation Temp.	8GB	16GB	32GB	64GB	128GB	256GB
Standard Grade (0°C ~ +70°C)	DRS25-08GJ21C1EB	DRS25-08GJ21C1EB	DRS25-32GJ21C1EB	DRS25-64GJ21C1EB	DRS25-A28J21C1EB	DRS25-B56J211C1EB
Industrial Grade (-40°C ~ +85°C)	DRS25-08GJ21W1EB	DRS25-08GJ21W1EB	DRS25-32GJ21W1EB	DRS25-64GJ21W1EB	DRS25-A28J21W1EB	DRS25-B56J21W1EB

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