Datasheet

2.5” SATA SSD

1MR 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



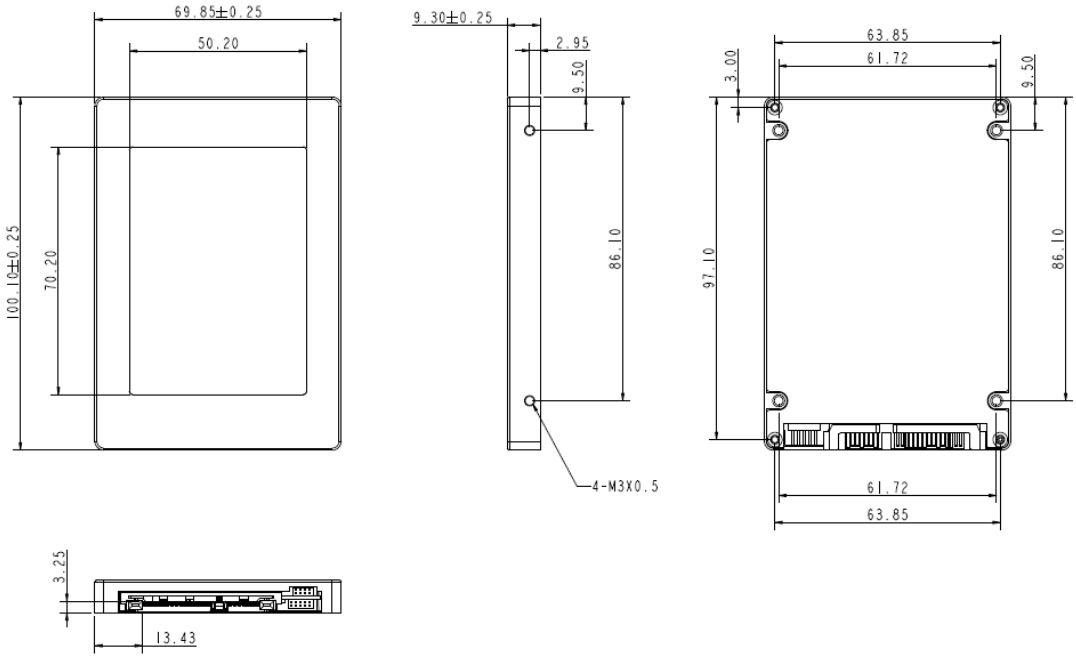
Introduction

The 2.5” SATA SSD 1MR 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 1MR 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

1MR series

Drawing



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

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.

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Interface	SATA I
Flash Type	MLC
Flash P/E cycle	3,000
Capacity	32GB~512GB
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.	32GB	64GB	128GB	256GB	512GB
Standard Grade (0°C ~ +70°C)	DRS25-32GJ21AC1EN	DRS25-64GJ21A1EN	DRS25-A28J21AC1EN	DRS25-B56J21AC1EN	DRS25-C12J21AC1EN
Industrial Grade (-40°C ~ +85°C)	DRS25-32GJ21AE1EN	DRS25-64GJ21AE1EN	DRS25-A28J21AE1EN	DRS25-B56J21AE1EN	DRS25-C12J21AE1EN