

Datasheet

# InnoRobust series

## 2.5" SATA SSD 3MR2-P

- Compliant with MIL-STD-810-F/G
- Data security (Quick Erase/ Security Erase/ Destroy/ Write Protect)
- High random R/W performance
- iSMART disk health monitoring
- Intelligent error recovery system
- Enhanced power cycling management
- iCell technology for data protection
- Conformal coating (optional)



### Introduction

Innodisk 2.5" SATA SSD 3MR2-P is a SATA III 6.0Gb/s Flash based disk, which delivers excellent performance and reliability. Especially, it comes with several data security functions, including Quick Erase/ Security Erase/ Destroy and also Write Protect. All the security functions can be triggered both by hardware and software approaches. 2.5" SATA SSD 3MR2-P is compliant with MIL-STD-810F/G standards. The SSD is equipped ruggedized hardware design and thus it can perform well in the harsh environment. 2.5" SATA SSD 3MR2-P is developed with Innodisk owned technical knowhow to ensure the data integrity and highest levels of reliability.

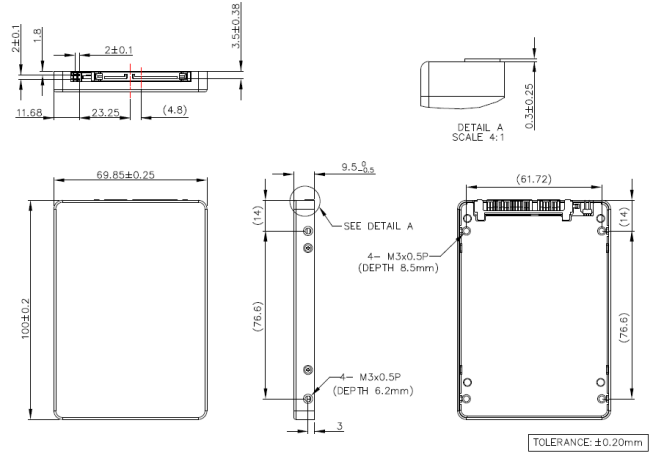
# 2.5" SATA SSD

## 3MR2-P series

### Drawing

Contact us for more information about the 2.5" SATA SSD 3MR2-P

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.



## Specifications

Interface	SATA III
Flash Type	MLC
Flash P/E Cycle Limit	3,000
Capacity	8GB~2TB
Max. Channels	4
Sequential R/W (MB/sec, max.)	520/450
Max. Power Consumption	5.78 W (5V x 1155 mA )
Thermal Sensor	Supported
External DRAM Buffer	Supported
H/W Write Protect	Optional
S/W Write Protect	Supported
Quick Erase	Supported
ATA Security	Supported
S.M.A.R.T.	Supported
Dimension (WxLxH)	69.85 X 100.00 X 9.5 mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours

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## Ordering Information

20180321

Operation Temp.	8GB	16GB	32GB	64GB	128GB	256GB	512GB	1TB	2TB
Standard Grade (0°C ~ +70°C)	DRS25-08GD81BC1SCP DRS25-08GD82BC1SCP	DRS25-16GD81BC1SCP DRS25-16GD82BC1SCP	DRS25-32GD81BC1DCP DRS25-32GD81BC1QCP DRS25-32GD82BC1DCP DRS25-32GD82BC1QCP	DRS25-64GD81BC1QCP DRS25-64GD82BC1QCP	DRS25-A28D81BC1QCP DRS25-A28D82BC1QCP	DRS25-B56D81BC1QCP DRS25-B56D82BC1QCP	DRS25-C12D81BC1QCP DRS25-C12D82BC1QCP	DRS25-01TD81BCAQCP DRS25-01TD82BCAQCP	DRS25-02TD81BCAQCP DRS25-02TD82BCAQCP
Industrial Grade (-40°C ~ +85°C)	DRS25-08GD81BW1SCP DRS25-08GD82BW1SCP	DRS25-16GD81BW1SCP DRS25-16GD82BW1SCP	DRS25-32GD82BW1DWP DRS25-64GD81BW1QCP DRS25-32GD82BW1QWP DRS25-32GD82BW1DWP DRS25-32GD82BW1QWP	DRS25-64GD81BW1QCP DRS25-64GD82BW1QCP	DRS25-A28D81BW1QCP DRS25-A28D82BW1QCP	DRS25-B56D81BW1QCP DRS25-B56D82BW1QCP	DRS25-C12D81BW1QCP DRS25-C12D82BW1QCP	DRS25-01TD81BWAQCP DRS25-01TD82BWAQCP	DRS25-02TD81BWAQCP DRS25-02TD82BWAQCP

innodisk

Contradata Milano S.r.l.

Via Solferino 12  
20900 Monza (MB) - Italy

Tel: (+39) 039-230.14.92  
Email: info@contradata.it

www.contradata.it