

Datasheet

# 2.5" SATA SSD

## 3MG5-P series

- 2.5" SATA III solution for industrial field
- 7mm height mechanical design
- High IOPS with 3D NAND solution
- L<sup>3</sup> architecture extends lifespan
- RAID Protection
- iData Guard for abnormal power failure
- Built-in thermal sensor
- iCell technology for data protection (optional)
- iSMART disk health monitoring



### Introduction

3MG5-P is Innodisk's first product series supported 3D NAND flash. Innodisk 2.5" SATA SSD 3MG5-P is characterized by L<sup>3</sup> architecture and RAID engine with the latest SATA III (6.0GHz) ID204 controller. Innodisk's exclusive L<sup>3</sup> architecture is L<sup>2</sup> architecture multiplied LDPC (Low Density Parity Check). L<sup>2</sup> (Long Life) architecture is a 4K mapping algorithm that reduces WAF and features a real-time wear leveling algorithm to provide high performance and prolong lifespan. Innodisk 2.5" SATA SSD 3MG5-P is equipped RAID engine to offer additional level of data protection for exceptional reliability.

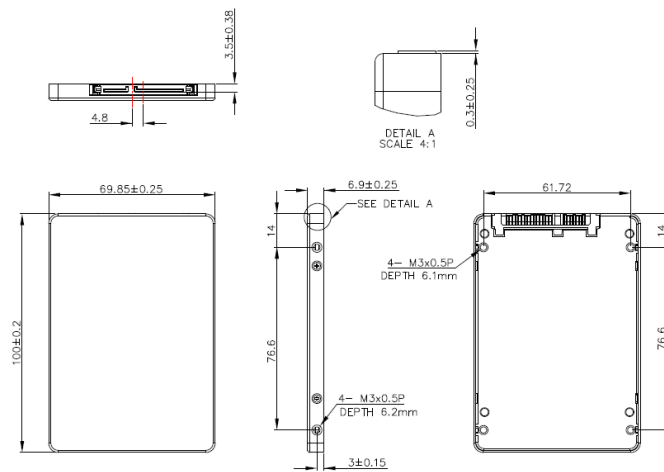
# 2.5" SATA SSD

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### Drawing

Contact us for more information about the 2.5" SATA SSD 3MG5-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	3D MLC
Flash P/E Cycle Limit	3,000
Capacity	128GB~512GB
Max. Channels	4
Sequential R/W (MB/sec, max.)	560/500
Max. Power Consumption	3.6 W (5V x 720 mA )
Thermal Sensor	Supported
External DRAM Buffer	Supported
iCell	Supported
ATA Security	Supported
S.M.A.R.T.	Supported
Dimension (WxLxH)	69.85 X 100.10 X 6.9 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

Operation Temp.	128GB	256GB	512GB
Standard Grade (0°C ~ +70°C)	DGS25- A28D21CCAQG(P)	DGS25- B56D21CCAQG(P)	DGS25- C12D21CCAQG(P)

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