

Datasheet

mSATA 3MG-P series

- SATA 6Gb/s interface
- iSMART disk health monitoring
- Intelligent error recovery system
- Excellent data transfer speed
- Great I.O.P.S for best system reaction
- Build-in Dram buffer
- Zero mechanical interference
- Anti-vibration mechanical design
- JEDEC standard MO-300 dimension



Introduction

Innodisk mSATA 3MG-P is designed as the standard Mini PCIe form factor with SATA interface, and supports SATA III standard (6.0Gb/s) with excellent performance. The form factor refers to the MO-300 specification which established by JEDEC. Regarding of mechanical interference, Innodisk mSATA 3MG-P absolutely replaces the traditional hard disk and makes personal computer, in any field, smaller and easier.

Innodisk mSATA 3MG-P effectively reduces the booting time of operation system and the power consumption is less than hard disk drive (HDD), and complies with ATA protocol, no additional drives are required, and can be configured as a boot device or data storage device.

mSATA

3MG-P series

**Contact us for more information
about the MSATA 3MG-P.**

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

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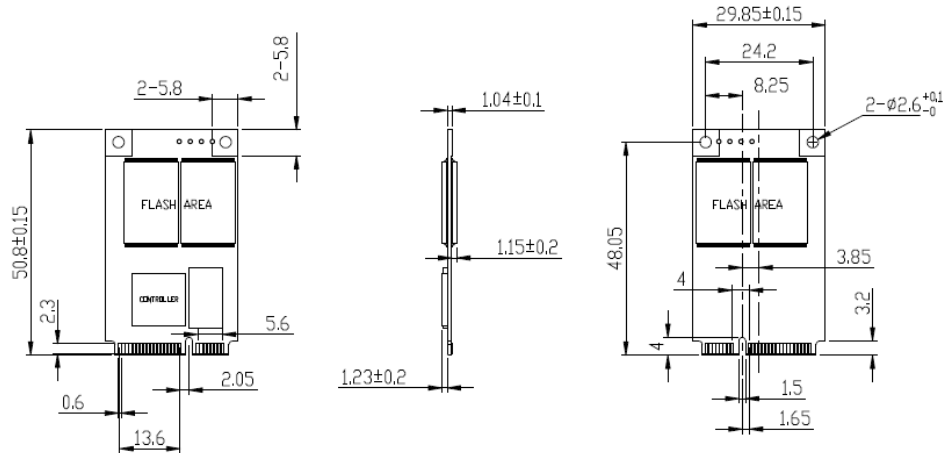
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Diagram



Specifications

Interface	SATA III
Flash Type	MLC
Capacity	8GB~128GB
Max. Channels	4
Sequential R/W (MB/sec, max.)	460 / 160
Max. Power Consumption	1.28 W (3.3V x 390 mA)
Thermal Sensor	Optional
External DRAM buffer	√
H/W Write Protect	-
ATA Security	√
S.M.A.R.T.	√
Dimension (WxLxH)	29.8 X 50.8 X 3.42 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
Standard Grade (0°C ~ +70°C)	DGMSR-08GD67RC2SC	DGMSR-16GD67RC2DC	DGMSR-32GD67RC2QC	DGMSR-64GD67RC2QC	DGMSR-A28D67RC2QC
Industrial Grade (-40°C ~ +85°C)	DGMSR-08GD67RW2SC	DGMSR-16GD67RW2DC	DGMSR-32GD67RW2QC	DGMSR-64GD67RW2QC	DGMSR-A28D67RW2QC