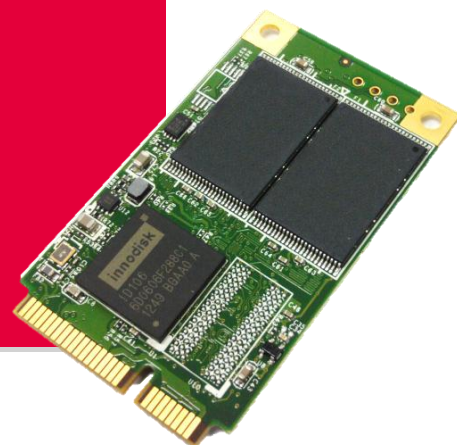


Datasheet

# mSATA 3IE series

- SATA 6Gb/s interface
- iSMART disk health monitoring
- Intelligent error recovery system
- Excellent data transfer speed
- Write protection security
- Zero mechanical interference
- Anti-vibration mechanical design
- JEDEC standard MO-300 dimension



## Introduction

Innodisk mSATA 3IE 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 3IE absolutely replaces the traditional hard disk and makes personal computer, in any field, smaller and easier.

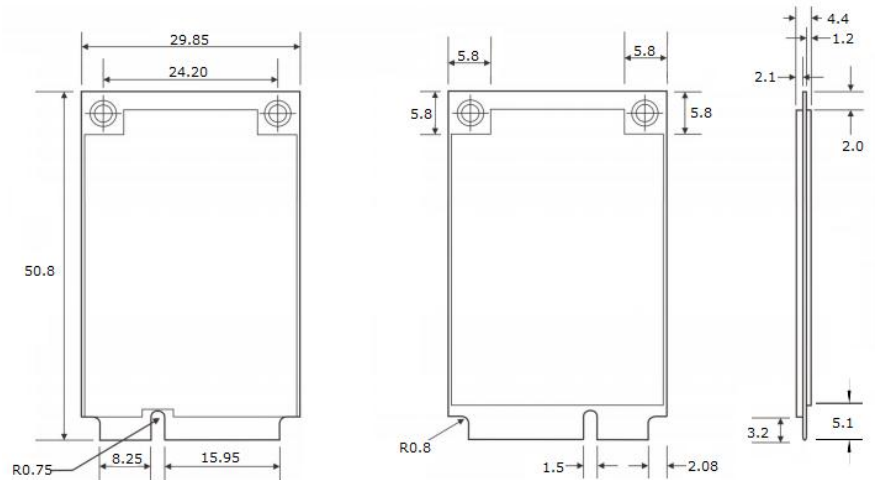
Innodisk mSATA 3IE effectively reduces the booting time of operation system and the power consumption is less than hard disk drive (HDD), and complies with ATA protocol, no additional drives are required, and can be configured as a boot device or data storage device.

# mSATA 3IE series

Contact us for more information about the MSATA 3IE.

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

## Diagram



## Specifications

Interface	SATA III
Flash Type	iSLC
P/E cycle	30,000
Capacity	4GB~64GB
Max. Channels	4
Sequential R/W (MB/sec, max.)	TBD
Max. Power Consumption	1.3 W (3.3V x 390 mA )
Thermal Sensor	WT only
External DRAM buffer	-
H/W Write Protect	-
ATA Security	√
S.M.A.R.T.	√
Dimension (WxLxH)	29.8 X 50.8 X 4.4 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

20130718

Operation Temp.	4GB	8GB	16GB	32GB	64GB
Standard Grade (0°C ~ +70°C)	DHMSR-04GD062C25C	DHMSR-08GD062C25C	DHMSR-16GD062C2DC	DHMSR-32GD062C2QC	DHMSR-64GD062C2QC
Industrial Grade (-40°C ~ +85°C)	DHMSR-04GD062W25C	DHMSR-08GD062W25C	DHMSR-16GD062W2DC	DHMSR-32GD062W2QC	DHMSR-64GD062W2QC

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