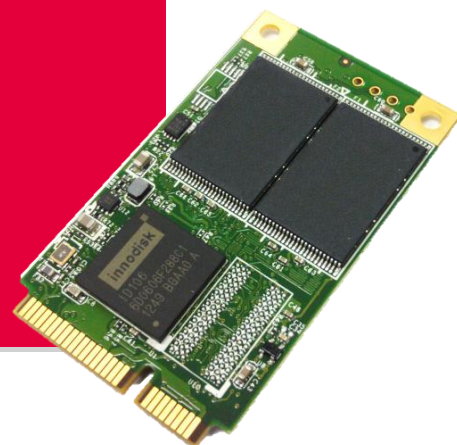


Datasheet

# 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 with mSATA form factor by MO-300/MO-300B which established by JEDEC, and support SATA III standard (6.0Gb/s) with excellent performance. Regarding of mechanical interference, Innodisk mSATA 3IE absolutely replaces the traditional hard disk and makes personal computer, in any field, smaller and easier.

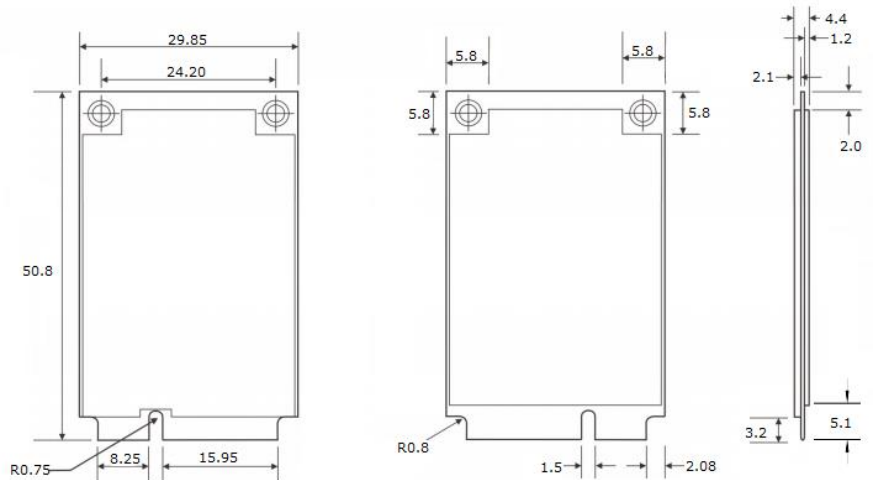
Innodisk mSATA 3IE effectively reduces the booting time of operation system and the power consumption is less than hard disk drive (HDD), and complies with ATA protocol, no additional drives are required, and can be configured as a boot device or data storage device.

# 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



Dimension tolerance:  $\pm 0.2\text{mm}$

## Specifications

Interface	SATA III
Flash Type	iSLC
P/E cycle	20,000
Capacity	4GB~64GB
Max. Channels	4
Sequential R/W (MB/sec, max.)	460/350
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

### Headquarters (Taiwan)

5F., No.237, Sec. 1, Datong Rd.,  
Xizhi Dist., New Taipei City 221  
Tel: +886-2-77033000  
Email: sales@Innodisk.com

### Branch Offices:

USA  
[usasales@Innodisk.com](mailto:usasales@Innodisk.com)  
+1-510-770-9421  
Europe  
[eusales@Innodisk.com](mailto:eusales@Innodisk.com)  
+31-(0)40-282-1818  
Japan  
[jpsales@Innodisk.com](mailto:jpsales@Innodisk.com)  
+81-45-594-7581  
China  
[sales\\_cn@Innodisk.com](mailto:sales_cn@Innodisk.com)  
+86-755-21673689  
[www.Innodisk.com](http://www.Innodisk.com)

© 2014 Innodisk Corporation.  
All right reserved. Specifications  
are subject to change without  
prior notice.

20141024

## Ordering Information

Operation Temp.	4GB	8GB	16GB	32GB	64GB
Standard Grade (0°C ~ +70°C)	DHMSR-04GD063C2SC	DHMSR-08GD063C2DC	DHMSR-16GD063C2QC	DHMSR-32GD063C2QC	DHMSR-64GD063C2QC
Industrial Grade (-40°C ~ +85°C)	DHMSR-04GD062W2SC	DHMSR-08GD062W2DC	DHMSR-16GD062W2QC	DHMSR-32GD062W2QC	DHMSR-64GD062W2QC

**innodisk**

[www.Innodisk.com](http://www.Innodisk.com)