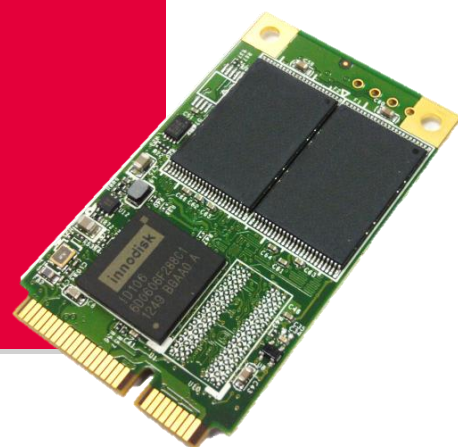


Datasheet

# mSATA 3IE series

- SATA 6Gb/s interface
- iSMART disk health monitoring
- Intelligent error recovery system
- Excellent data transfer speed
- 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.

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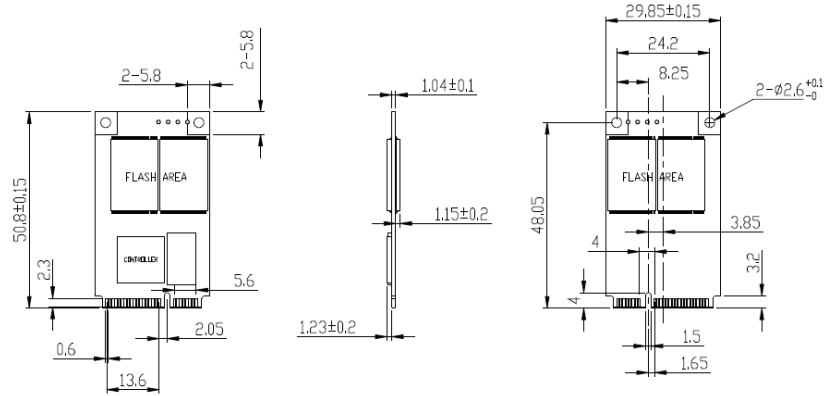
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# mSATA 3IE series

**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

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prior notice.

|                               |                                                                                                                 |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Interface                     | SATA III                                                                                                        |
| Flash Type                    | iSLC                                                                                                            |
| 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 3.49 mm                                                                                           |
| Environment                   | Vibration: 20G @7~2000Hz<br>Shock: 1500G @ 0.5ms<br>Storage Temperature: -55°C ~ +95°C<br>MTBF: 3 million hours |

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## Ordering Information

| Operation Temp.                     | 4GB               | 8GB               | 16GB              | 32GB              | 64GB              |
|-------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Standard Grade<br>(0°C ~ +70°C)     | DHMSR-04GD073C2SC | DHMSR-08GD063C2DC | DHMSR-16GD063C2QC | DHMSR-32GD063C2QC | DHMSR-64GD063C2QC |
| Industrial Grade<br>(-40°C ~ +85°C) | DHMSR-04GD072W2SC | DHMSR-08GD062W2DC | DHMSR-16GD062W2QC | DHMSR-32GD062W2QC | DHMSR-64GD062W2QC |

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