

Datasheet

# mSATA mini 3ME3 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 mini 3ME3 is designed with mSATA mini 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 mini 3ME3 absolutely replaces the traditional hard disk and makes personal computer, in any field, smaller and easier.

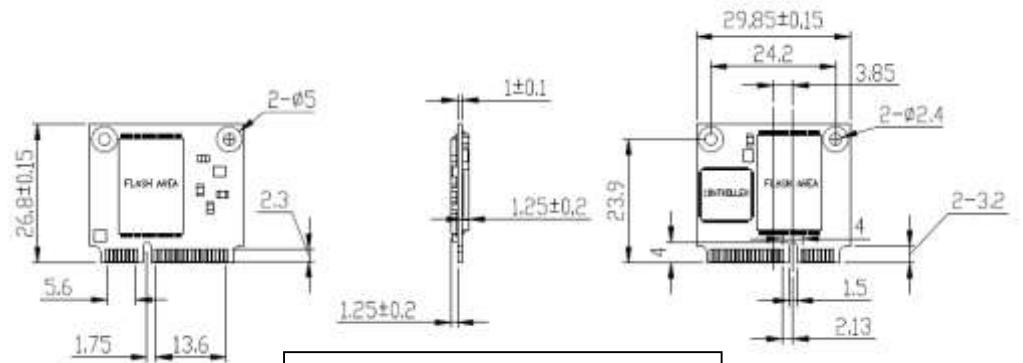
Innodisk mSATA mini 3ME3 effectively reduces the booting time of operation system and the power consumption is less than hard disk drive (HDD), and complies with ATA protocol, no additional drives are required, and can be configured as a boot device or data storage device.

# mSATA mini 3ME3 series

Contact us for more information  
about the mSATA mini 3ME3.

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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|                               |                                                                                                                 |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Interface                     | SATA III                                                                                                        |
| Flash Type                    | MLC                                                                                                             |
| Capacity                      | 8GB~128GB                                                                                                       |
| Max. Channels                 | 2                                                                                                               |
| Sequential R/W (MB/sec, max.) | 200 / 80                                                                                                        |
| Max. Power Consumption        | 0.5 W (3.3V x 150 mA )                                                                                          |
| Thermal Sensor                | WT as default, ST by option                                                                                     |
| External DRAM buffer          | -                                                                                                               |
| Trim                          | ✓                                                                                                               |
| ATA Security                  | ✓                                                                                                               |
| S.M.A.R.T.                    | ✓                                                                                                               |
| Dimension (WxLxH)             | 29.8 X 26.8 X 3.5 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.                     | 08GB              | 16GB              | 32GB              | 64GB              | 128GB             |
|-------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Standard Grade<br>(0°C ~ +70°C)     | DEMSM-08GD09SC1SC | DEMSM-16GD09SC1DC | DEMSM-32GD09SC1DC | DEMSM-64GD09SC1DC | DEMSM-A28D09SCADC |
| Industrial Grade<br>(-40°C ~ +85°C) | DEMSM-08GD09SW1SC | DEMSM-16GD09SW1DC | DEMSM-32GD09SW1DC | DEMSM-64GD09SW1DC | DEMSM-A28D09SWADC |

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