

Datasheet

mSATA 3ME2 series

- SATA 6Gb/s interface
- Intelligent error recovery system
- Excellent data transfer speed
- Zero mechanical interference
- Anti-vibration mechanical design
- JEDEC standard MO-300 dimension



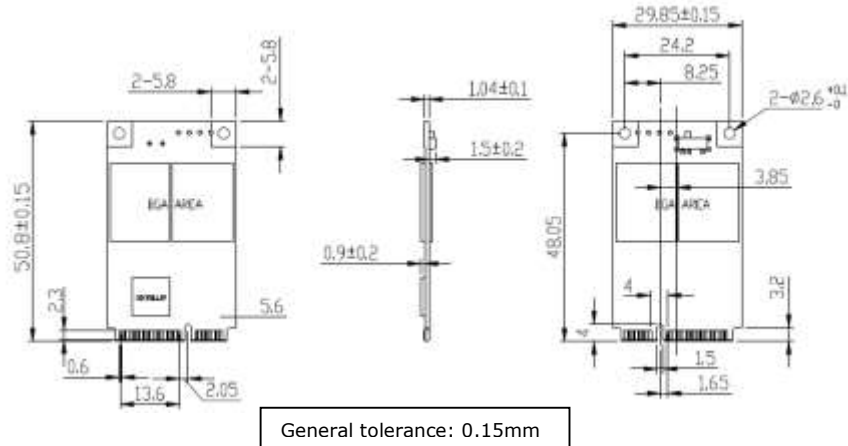
Introduction

Innodisk mSATA 3ME2 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 3ME2 absolutely replaces the traditional hard disk and makes personal computer, in any field, smaller and easier.

Innodisk mSATA 3ME2 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.

Contact us for more information about the mSATA 3ME2.

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.



Specifications

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|-------------------------------|---|
| Interface | SATA III |
| Flash Type | MLC |
| Capacity | 16GB~256GB |
| Max. Channels | 4 |
| Sequential R/W (MB/sec, max.) | 440 / 150 |
| Max. Power Consumption | 2.6 W (3.3V x 810 mA) |
| Thermal Sensor | ST- Optional |
| External DRAM buffer | - |
| H/W Write Protect | Optional |
| ATA Security | √ |
| S.M.A.R.T. | √ |
| Dimension (WxLxH) | 29.8 X 50.8 X 3.4 mm |
| Environment | Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours |

Ordering Information

20150519

| Operation Temp. | 16GB | 32GB | 64GB | 128GB | 256GB |
|-------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Standard Grade (0°C ~ +70°C) | DEMSR-16GD72SCASN | DEMSR-32GD72SCADN | DEMSR-64GD72SCAQN | DEMSR-A28D72SCAQN | DEMSR-B56D72SCAQN |
| Industrial Grade (-40°C ~ +85°C) | DEMSR-16GD72SWASN | DEMSR-32GD72SWADN | DEMSR-64GD72SWAQN | DEMSR-A28D72SWAQN | DEMSR-B56D72SWAQN |

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