

Datasheet

mSATA mini 3IE3 series

- SATA 6Gb/s interface
- Exclusive iSLC FW architecture
- 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 3IE3 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 3IE3 absolutely replaces the traditional hard disk and makes personal computer, in any field, smaller and easier.

Innodisk mSATA mini 3IE3 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 3IE3 series

Contact us for more information
about the mSATA mini 3IE3.

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 | iSLC |
| Capacity | 8GB~64GB |
| Max. Channels | 2 |
| Sequential R/W (MB/sec, max.) | 230/170 |
| Max. Power Consumption | 0.6 W (3.3V x 190 mA) |
| Thermal Sensor | WT as default, ST by option |
| External DRAM buffer | - |
| Trim | √ |
| ATA Security | √ |
| S.M.A.R.T. | √ |
| Dimension (WxLxH) | 29.85 X 26.8 X 3.7 mm |
| Environment | Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours |

Ordering Information

20160307

| Operation Temp. | 08GB | 16GB | 32GB | 64GB |
|-------------------------------------|-------------------|-------------------|-------------------|-------------------|
| Standard Grade (0°C ~ +70°C) | DHMSM-08GD09BC1SC | DHMSM-16GD09BC1DC | DHMSM-32GD09BC1DC | DHMSM-64GD09BC1DC |
| Industrial Grade (-40°C ~ +85°C) | DHMSM-08GD09BW1SC | DHMSM-16GD09BW1DC | DHMSM-32GD09BW1DC | DHMSM-64GD09BW1DC |

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