

Datasheet

# SATA Slim 2IE series

- iSLC technology
- iSMART disk health monitoring
- Intelligent error recovery system
- Excellent data transfer speed
- Zero mechanical interference
- JEDEC MO-297 dimension



## Introduction

InnoDisk SATA Slim 2IE adopts iSLC technology, which is designed to outdo the endurance, performance and reliability of MLC-based solutions. Through the use of flash management algorithms, iSLC improves SSD endurance up to 30,000 times, increasing lifespans up to 10 times longer than MLC-based solutions.

It comes with standard SATA interface (7+15 SATA connector), which could support most platforms with standard SATA port. Besides, with its smaller dimension, SATA Slim 2IE is an alternative solution of 2.5" SSD for those embedded systems that may have mechanical and space concerns.

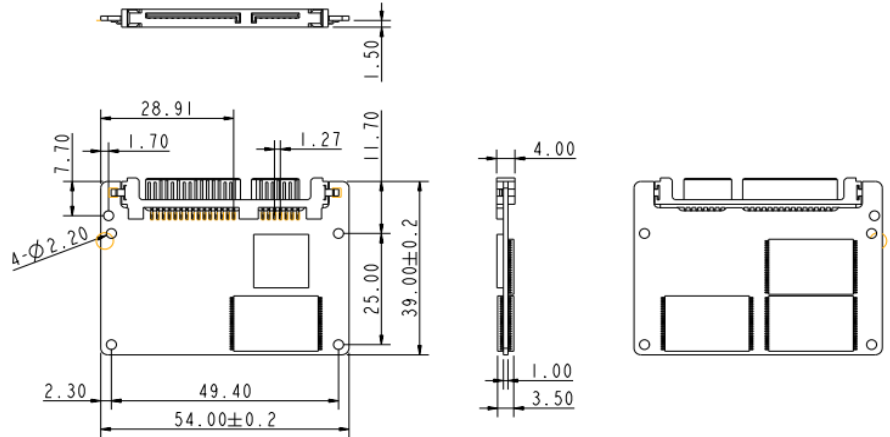
# SATA Slim

## 2IE series

Contact us for more information  
about the SATA Slim 2IE

Innodisk is a service-driven provider of industrial embedded flash and DRAM storage products and technologies, with a focus on the cloud computing, industrial/embedded, and aerospace and defense industries.

### Drawing



### Specifications

|                               |                                                                                                                 |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Interface                     | SATA II                                                                                                         |
| Flash Type                    | iSLC                                                                                                            |
| P/E Cycle limit               | 30,000                                                                                                          |
| Capacity                      | 8GB~64GB                                                                                                        |
| Max. Channels                 | 4                                                                                                               |
| Sequential R/W (MB/sec, max.) | 125 / 120                                                                                                       |
| Max. Power Consumption        | 1.67 W (5V x 335 mA )                                                                                           |
| Thermal Sensor                | √                                                                                                               |
| H/W Write Protect             | √                                                                                                               |
| Pin7 Power                    | -                                                                                                               |
| ATA Security                  | Supported                                                                                                       |
| S.M.A.R.T.                    | Supported                                                                                                       |
| Dimension (WxLxH)             | 54.0 X 39.8 X 4.0 mm                                                                                            |
| Environment                   | Vibration: 20G @7~2000Hz<br>Shock: 1500G @ 0.5ms<br>Storage Temperature: -55°C ~ +95°C<br>MTBF: 3 million hours |

#### Headquarters (Taiwan)

9F., No.100, Sec. 1, Xintai 5th Rd., Xizhi  
Dist., New Taipei City,  
Taiwan (R.O.C.)  
Tel: +886-2-26963000  
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)  
+31-040-282-2382  
Japan  
[jpsales@innodisk.com](mailto:jpsales@innodisk.com)  
+81-3-6661-9846  
China  
[sales\\_cn@innodisk.com](mailto:sales_cn@innodisk.com)  
+86-755-21673689  
[www.innodisk.com](http://www.innodisk.com)

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### Ordering Information

| Operation Temp.                 | 8GB               | 16GB              | 32GB              | 64GB              |
|---------------------------------|-------------------|-------------------|-------------------|-------------------|
| Standard Grade<br>(0°C ~ +70°C) | DHSLM-08GJ301C1QN | DHSLM-16GJ301C1QN | DHSLM-32GJ301C1QN | DHSLM-64GJ301C1QN |

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