

Datasheet

# 2.5" PATA SSD

## 1SR-P series

- Compliant with MIL-STD-810-F/G
- Data security (QEraser/ SEraser/ Destroy/ Write Protect)
- High random R/W performance
- iSMART disk health monitoring
- Intelligent error recovery system
- Enhanced power cycling management
- iCell technology for data protection
- Conformal coating (optional)



## Introduction

Innodisk 2.5" PATA SSD 1SR-P complies with ATA 7 standard, and supports Ultra DMA (0-5) and PIO (0-4) transfer modes, which delivers good performance and reliability making it the ideal solution for a variety of applications, including embedded system, industrial computing, and mission critical applications. Especially, it comes with several data security functions, including QEraser/ SEraser/ Destroy and also Write Protect. All the security functions can be triggered both by hardware and software approaches. 2.5" PATA SSD 1SR-P is compliant with MIL-STD-810F/G standards. 2.5" PATA SSD 1SR-P not only performs unmatched performance, but also designed with Innodisk owned technical knowhow to ensure the data integrity and highest levels of reliability.

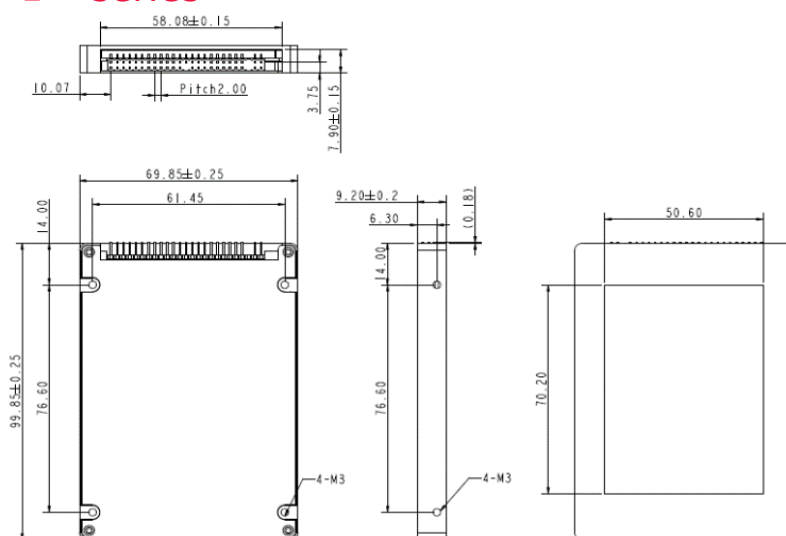
# 2.5" PATA SSD

## 1SR-P series

### Drawing

Contact us for more information  
about the 2.5" PATA SSD 1SR-P

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



## Specifications

|                               |                                                                                                                  |
|-------------------------------|------------------------------------------------------------------------------------------------------------------|
| Interface                     | PATA                                                                                                             |
| Flash Type                    | SLC                                                                                                              |
| Flash P/E Cycle Limit         | 100,000                                                                                                          |
| Capacity                      | 8GB~256GB                                                                                                        |
| Max. Channels                 | 4                                                                                                                |
| Sequential R/W (MB/sec, max.) | 90 / 90                                                                                                          |
| Max. Power Consumption        | 2.5 W (5V x 500 mA )                                                                                             |
| Thermal Sensor                | ✓                                                                                                                |
| External DRAM Buffer          | ✓                                                                                                                |
| H/W Write Protect             | Optional                                                                                                         |
| ATA Security                  | ✓                                                                                                                |
| S.M.A.R.T.                    | ✓                                                                                                                |
| Dimension (WxLxH)             | 69.85 X 99.85 X 9.20 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.                     | 8GB               | 16GB              | 32GB              | 64GB              | 128GB             | 256GB             |
|-------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Standard Grade<br>(0°C ~ +70°C)     | DRP25-08GD67AC1QB | DRP25-16GD67AC1QB | DRP25-32GD67AC1QB | DRP25-64GD67AC1QB | DRP25-A28D67AC1QB | DRP25-B56D67AC1QB |
| Industrial Grade<br>(-40°C ~ +85°C) | DRP25-08GD67AW1QB | DRP25-16GD67AW1QB | DRP25-32GD67AW1QB | DRP25-64GD67AW1QB | DRP25-A28D67AW1QB | DRP25-B56D67AW1QB |

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