

Datasheet

2.5" SATA SSD

3IE2-P series

- 2.5" SATA III solution for industrial field
- 7mm height mechanical design
- iSMART disk health monitoring
- High IOPS to enhance boot up timing
- iData Guard Protection



Introduction

Innodisk 2.5" SATA SSD 3IE2-P is SATA III 6Gb/s Flash based disk with iSLC technology, which delivers excellent performance and reliability making it the ideal solution for a variety of applications, including embedded system, industrial computing, and enterprise field. 3IE2-P 2.5" SSD not only performs unmatched performance, but also designed with Innodisk owned technical knowhow to ensure the data integrity and highest levels of reliability.

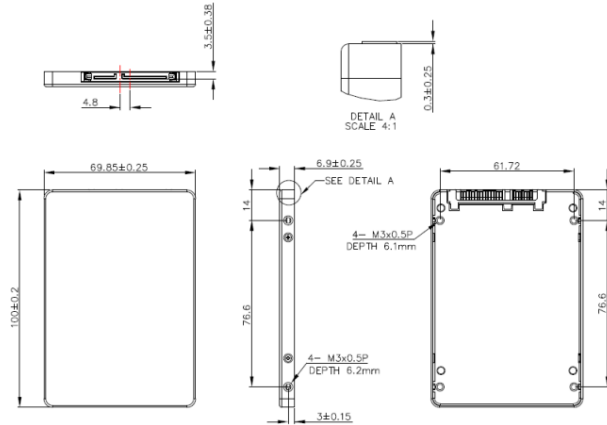
2.5" SATA SSD

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Drawing

Contact us for more information about the 2.5" SATA SSD 3IE2-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 | SATA III |
| Flash Type | iSLC |
| Flash P/E Cycle Limit | 20,000 |
| Capacity | 8GB-512GB |
| Max. Channels | 4 |
| Sequential R/W (MB/sec, max.) | 530/450 |
| Max. Power Consumption | 2.29 W (5V x 457 mA) |
| Thermal Sensor | Supported |
| External DRAM Buffer | Supported |
| H/W Write Protect | Optional |
| iCell | Optional |
| ATA Security | Supported |
| S.M.A.R.T. | Supported |
| Dimension (WxLxH) | 69.85 X 100.10 X 7.0 mm |
| Environment | Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours |

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Ordering Information

| Operation Temp. | 8GB | 16GB | 32GB | 64GB | 128GB | 256GB | 512GB |
|-------------------------------------|-------------------|--|--|--|-------------------|-------------------|-------------------|
| Standard Grade (0°C ~ +70°C) | DHS25-08GD81BC3DC | DHS25-16GD81BC3DC DHS25-16GD81BC3QC | DHS25-32GD81BC3QC DHS25-32GD81BC1QC | DHS25-64GD81BC3QC DHS25-64GD81BC1QC | DHS25-A28D81BC3QC | DHS25-B56D81BC1QC | DHS25-C12D81BCAQC |
| Industrial Grade (-40°C ~ +85°C) | DHS25-08GD81BW3DC | DHS25-16GD81BW3DC DHS25-16GD81BW3QC | DHS25-32GD81BW3QC DHS25-32GD81BW1QC | DHS25-64GD81BW3QC DHS25-64GD81BW1QC | DHS25-A28D81BW3QC | DHS25-B56D81BW1QC | DHS25-C12D81BWAQC |