

Datasheet

# 2.5" SATA SSD

## 3TEB series

- 2.5" SATA Slim SATA III solution for industrial field
- High IOPS
- iSMART disk health monitoring
- iPower Guard for protecting unstable start up and shut down.
- iData Guard for abnormal power failure



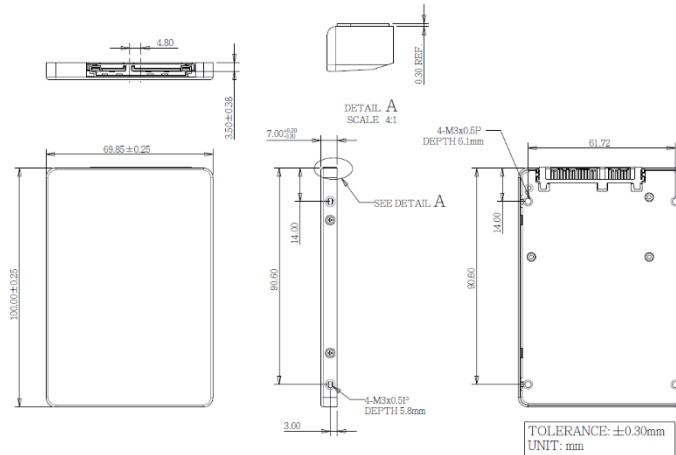
### Introduction

Innodisk 2.5" SATA SSD 3TEB is SATA III 6.0 Gb/s flash based disk, which adopts latest SATA III NAND controller with Innodisk's exclusive L<sup>3</sup> FW architecture. The upgraded L<sup>3</sup> FW architecture, combining Innodisk signature 4K mapping algorithm L<sup>2</sup> FW architecture with powerful LDPC technology, makes 3TEB series have outstanding high IOPS, better data integrity and extended lifespan through reducing the bad block number happening. Built-in thermal sensor, and iData Guard ensure data integrity and reliability of 2.5" SATA SSD 3TEB for industrial applications.

# 2.5" SATA SSD

## 3TEB series

### Diagram



### Specifications

|  |  |
|--|--|
| Interface  | SATA III   |
| Flash Type   | 3D TLC   |
| Capacity   | 128GB~1TB  |
| Max. Channels  | 2  |
| Sequential R/W (MB/sec, max.)*                                     | 540 / 500 MB/s   |
| 4KB Random (QD32) R/W (IOPS)**                                     | 75,000/72,000  |
| Max. Power Consumption   | 3.6W   |
| Thermal Sensor   | √  |
| External DRAM Buffer   | -  |
| H/W Write Protect  | -  |
| ATA Security   | √  |
| S.M.A.R.T.   | √  |
| Dimension (WxLxH)  | 69.8 X 100.0 X 7.0 mm  |
| Environment  | Vibration: 20G @ 7~2000Hz<br>Shock: 1500G @ 0.5ms<br>Storage Temperature: -40°C ~ +85°C<br>MTBF: 3 million hours |
| * Performance based on CrystalDiskMark 6.0.2 with file size 1000MB |  |

Contact us for more information about the 2.5" SATA SSD 3TEB.

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.

#### Headquarters (Taiwan)

5F., No.237, Sec. 1, Datong Rd., Xizhi Dist., New Taipei City, Taiwan (R.O.C.)  
Tel: +886-2-77033000  
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)  
+31-40-3045-400  
Japan  
[jpsales@innodisk.com](mailto:jpsales@innodisk.com)  
+81-3-6667-0161  
China  
[sales\\_cn@innodisk.com](mailto:sales_cn@innodisk.com)  
+86-755-21673689  
[www.innodisk.com](http://www.innodisk.com)

© 2021 Innodisk Corporation.  
All right reserved. Specifications are subject to change without prior notice.

202309

### Ordering Information (Please refer to TPS for detail)

| Operation Temp.              | 128GB             | 256GB             | 512GB             | 1TB               |
|------------------------------|-------------------|-------------------|-------------------|-------------------|
| Standard Grade (0°C ~ +70°C) | DES25-A28IC1KCCDF | DES25-B56IC1KCCDF | DES25-C12IC1KCCDF | DES25-01TIC1KCCDF |