

Datasheet

# 2.5" SATA SSD

## 3TG8-P series

- 2.5" SATA III solution for industrial field
- High IOPS
- iSMART disk health monitoring
- End to end data path protection
- iData Guard for abnormal power failure
- iCell technology for data protection
- iPower Guard for protecting unstable start up and shut down



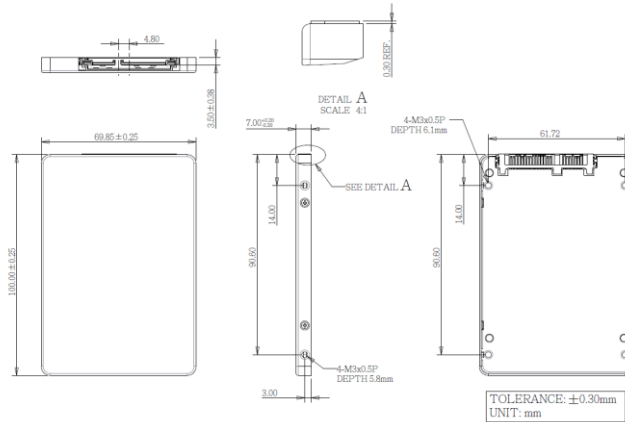
### Introduction

Innodisk 2.5" SATA SSD 3TG8-P is SATA III 6Gb/s solid state disk, which delivers excellent performance, especially in random data transfer rate, and which offers reliability making it the ideal solution for a variety of applications, including embedded system, industrial computing, and enterprise field. 3TG8-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.

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### Drawing



### Specifications

|                                |   |
|--------------------------------|---|
| Interface                      | SATA III  |
| Flash Type                     | 3D TLC  |
| Capacity                       | 1TB~8TB   |
| Max. Channels                  | 8   |
| Sequential R/W (MB/sec, max.)* | 560 / 500 MB/s  |
| 4KB Random (QD32) R/W (IOPS)*  | 94000 / 85000   |
| Max. Power Consumption         | 5.4 W   |
| External DRAM Buffer           | ✓   |
| AES encryption                 | ✓   |
| ATA Security                   | ✓   |
| S.M.A.R.T.                     | ✓   |
| Dimension (WxLxH)              | 69.8 X 100.0 X 7.0 mm <sup>3</sup>  |
| Environment                    | Vibration: 20G @7~2000Hz<br>Shock: 1500G @ 0.5ms<br>Storage Temperature: -40°C ~ +85°C<br>MTBF: 3 million hours |

\* Sequential performance based on CystalDiskMark 6.0.2 with file size 1000MB of Queue Depth 32

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

| Operation Temp.                     | 1TB                                      | 2TB                                      | 4TB                                      | 8TB                                      |
|-------------------------------------|--|--|--|--|
| Standard Grade<br>(0°C ~ +70°C)     | DGS25-01TDE1KCAEFP<br>DGS25-01TDE2KCAEFP | DGS25-02TDE1KCAEFP<br>DGS25-02TDE2KCAEFP | DGS25-04TDE1KCAEFP<br>DGS25-04TDE2KCAEFP | DGS25-08TDE1KCAEFP<br>DGS25-08TDE2KCAEFP |
| Industrial Grade<br>(-40°C ~ +85°C) | DGS25-01TDE1KWAFFP<br>DGS25-01TDE2KWAFFP | DGS25-02TDE1KWAFFP<br>DGS25-02TDE2KWAFFP | DGS25-04TDE1KWAFFP<br>DGS25-04TDE2KWAFFP | DGS25-08TDE1KWAFFP<br>DGS25-08TDE2KWAFFP |

\*DE2 for AES+TCG Opal functions.

Contact us for more information about the 2.5" SATA SSD 3TG8-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.

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