

Datasheet

# 2.5" SATA SSD

## 3TG6-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



## Introduction

Innodisk 2.5" SATA SSD 3TG6-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. 3TG6-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

## 3TG6-P series

Contact us for more information about the 2.5" SATA SSD 3TG6-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.

### 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:

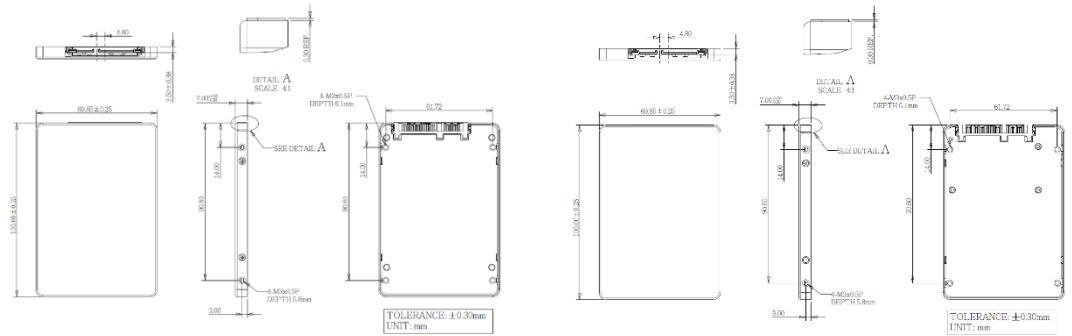
USA  
[usasales@innodisk.com](mailto:usasales@innodisk.com)  
+1-510-770-9421  
Europe  
[esusales@innodisk.com](mailto:esusales@innodisk.com)  
+31-40-3045-400  
Japan  
[jpsales@innodisk.com](mailto:jpsales@innodisk.com)  
+81-3-6667-0161  
China  
[sales\\_cn@innodisk.com](mailto:sales_cn@innodisk.com)  
+86-755-21673689  
[www.innodisk.com](http://www.innodisk.com)

© 2020 Innodisk Corporation.  
All right reserved. Specifications  
are subject to change without  
prior notice.

## Drawing

Full PCB

Slim inside



## Specifications

|                                |  |
|--------------------------------|--|
| Interface                      | SATA III   |
| Flash Type                     | 3D TLC   |
| Capacity                       | 128GB~4TB  |
| Max. Channels                  | 4  |
| Sequential R/W (MB/sec, max.)* | 550 / 470 MB/s   |
| 4KB Random (QD32) R/W (IOPS)*  | 82,000 / 58,000  |
| Max. Power Consumption         | 6.0 W  |
| Thermal Sensor                 | ✓  |
| External DRAM Buffer           | ✓  |
| ATA Security                   | ✓  |
| S.M.A.R.T.                     | ✓  |
| Dimension (WxLxH)              | 69.8 X 100.0 X 6.8 mm  |
| Environment                    | Vibration: 20G @7~2000Hz<br>Shock: 1500G @ 0.5ms<br>Storage Temperature: -40°C ~ +85°C<br>MTBF: Over 3 million hours |

\* Sequential performance based on CystalDiskMark 5.1.2 with file size 1000MB of Queue Depth 32

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

| Operation Temp.                     | 128GB             | 256GB             | 512GB             | 1TB               | 2TB               | 4TB                |
|-------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| Standard Grade<br>(0°C ~ +70°C)     | DGS25-A28M71%C*&L | DGS25-B56M71%C*&L | DGS25-C12M71%C*&L | DGS25-01TM71%C*QL | DGS25-02TM71%CAQL | DGS25-04TM71%C*Q#  |
| Industrial Grade<br>(-40°C ~ +85°C) | DGS25-A28M71GW*DL | DGS25-B56M71GW*QL | DGS25-C12M71GW*QL | DGS25-01TM71GW1QL | DGS25-02TM71GWAQL | DGS25-04TM71GWBQQL |

%. G: 96 Layers 3D TLC; K: 112 Layers 3D TLC

\*. PCB version control

&. S: Single channel; D: Dual channels; Q: Quad channels

#. L: Innodisk NAND Marking; Q: Original NAND Marking

**innodisk**

[www.innodisk.com](http://www.innodisk.com)