

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



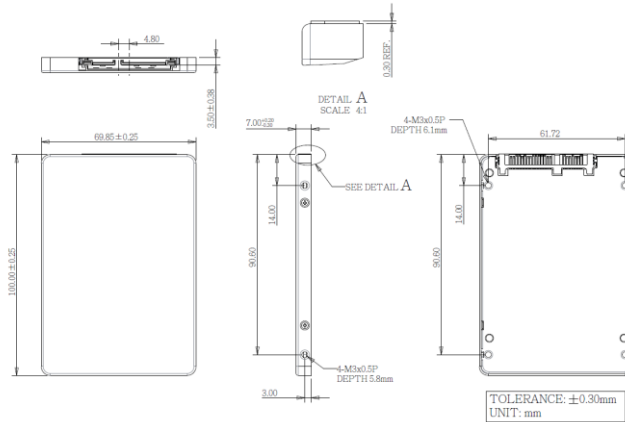
### Introduction

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 Shock: 1500G @ 0.5ms Storage Temperature: -40°C ~ +85°C 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 (0°C ~ +70°C)	DGS25-01TDE1KCAEFP DGS25-01TDE2KCAEFP	DGS25-02TDE1KCAEFP DGS25-02TDE2KCAEFP	DGS25-04TDE1KCAEFP DGS25-04TDE2KCAEFP	DGS25-08TDE1KCAEFP DGS25-08TDE2KCAEFP
Industrial Grade (-40°C ~ +85°C)	DGS25-01TDE1KWAFFP DGS25-01TDE2KWAFFP	DGS25-02TDE1KWAFFP DGS25-02TDE2KWAFFP	DGS25-04TDE1KWAFFP DGS25-04TDE2KWAFFP	DGS25-08TDE1KWAFFP 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.

#### 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)

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