

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



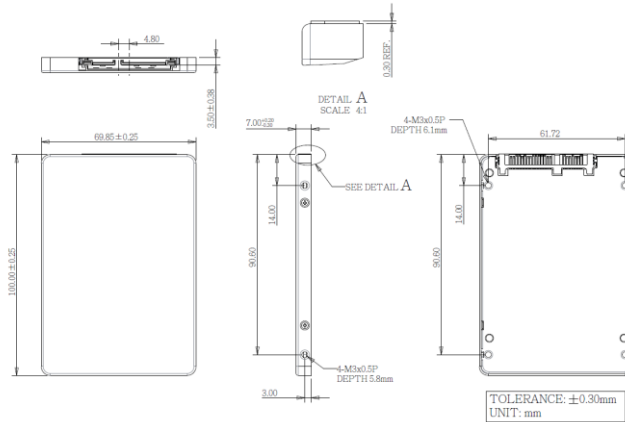
Introduction

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.

2.5" SATA SSD

3TG8-P series

Drawing



Specifications

Interface	SATA III
Flash Type	3D TLC
Capacity	1TB~8TB
Max. Channels	8
P/E cycle	7,000
Sequential R/W (MB/sec, max.)*	560 / 530 MB/s
4KB Random (QD32) R/W (IOPS)*	90,000 / 85,000
Max. Power Consumption	5.2 W
External DRAM Buffer	✓
AES encryption	✓
ATA Security	✓
S.M.A.R.T.	✓
Dimension (WxLxH)	69.8 X 100.0 X 7.0 mm ³
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -40°C ~ +85°C MTBF: 3 million hours

* Sequential performance based on CrystalDiskMark 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)	DGS25-01TDE1NCAEFP DGS25-01TDE2NCAEFP	DGS25-02TDE1NCAEFP DGS25-02TDE2NCAEFP	DGS25-04TDE1NCAEFP DGS25-04TDE2NCAEFP	DGS25-08TDE1NCAEFP DGS25-08TDE2NCAEFP
Industrial Grade (-40°C ~ +85°C)	DGS25-01TDE1NWAFFP DGS25-01TDE2NWAFFP	DGS25-02TDE1NWAFFP DGS25-02TDE2NWAFFP	DGS25-04TDE1NWAFFP DGS25-04TDE2NWAFFP	DGS25-08TDE1NWAFFP DGS25-08TDE2NWAFFP

*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
+1-510-770-9421
Europe
esusales@innodisk.com
+31-40-3045-400
Japan
jpsales@innodisk.com
+81-3-6667-0161
China
sales_cn@innodisk.com
+86-755-21673689
www.innodisk.com

© 2024 Innodisk Corporation.
All right reserved. Specifications are subject to change without prior notice.