

Datasheet

2.5" SATA SSD

3TG6-P series

- 2.5" SATA III solution for industrial field
- High IOPS
- iSMART disk health monitoring
- AES-256 encryption
- End to end data path protection
- iData Guard for abnormal power failure
- iCell technology for data protection (optional)
- iPower Guard for protecting unstable start up and shut down



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

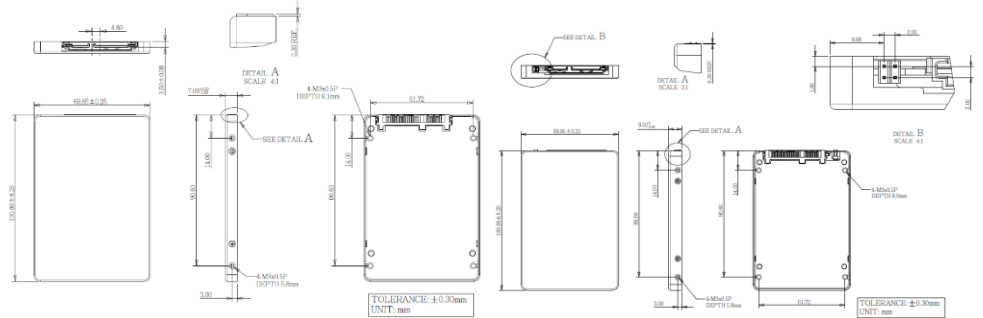
Contact us for more information
about the 2.5" SATA SSD 3TG6-P

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.

Drawing

* DGS25-XXXM71EXXQF (128GB-4TB)

* DGS25-08TM71EXXQF (8TB)



Specifications

Interface	SATA III
Flash Type	3D TLC
Capacity	128GB~8TB
Max. Channels	4
Sequential R/W (MB/sec, max.)*	560 / 510 MB/s
4KB Random (QD32) R/W (IOPS)*	82000 / 68000
Max. Power Consumption	12.3 W
Thermal Sensor	✓
External DRAM Buffer	✓
AES encryption	✓
ATA Security	✓
S.M.A.R.T.	✓
Dimension (WxLxH)	69.8 X 100.0 X 6.8 mm ³ (128GB ~ 4TB) 69.8 X 100.0 X 9.5 mm ³ (8TB)
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours

* Sequential performance based on CrystalDiskMark 5.1.2 with file size 100MB of Queue Depth 32

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
eusales@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

© 2017 Innodisk Corporation.
All right reserved. Specifications
are subject to change without
prior notice.

20180703

Ordering Information (Please refer to TPS for detail)

Operation Temp.	128GB	256GB	512GB	1TB	2TB	4TB	8TB
Standard Grade (0°C ~ +70°C)	DGS25-A28M71*C**Q F(P)	DGS25-B56M71*C**Q F(P)	DGS25-C12M71*C**Q F(P)	DGS25-01TM71*C**Q F(P)	DGS25-02TM71*CAQF (P)	DGS25-04TM71*CBQF	DGS25-08TM71*CBQF
Industrial Grade (-40°C ~ +85°C)	DGS25-A28M71*W**QF(P)	DGS25-B56M71*W**QF(P)	DGS25-C12M71*W**QF(P)	DGS25-01TM71*W**QF(P)	DGS25-02TM71*WAQF (P)	DGS25-04TM71*WBQF	DGS25-08TM71*WBQF

*. E: 64 layers 3D TLC; G: 96 layers 3D TLC

** 1/3/A/C: PCB version control

innodisk

www.innodisk.com