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.

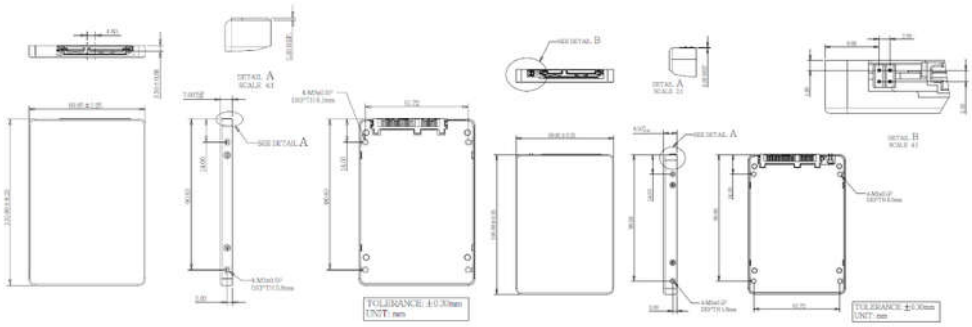
2.5” SATA SSD
3TG6-P series

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-XXXM71XXXXF (128GB-4TB/single board) * DGS25-XXXM71XXXQF (4TB/8TB) Dual Board



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	5.9 W
Thermal Sensor	√
External DRAM Buffer	√
AES encryption	√
ATA Security	√
S.M.A.R.T.	√
Dimension (WxLxH)	69.8 X 100.0 X 7.0 mm^3 (128GB ~ 4TB, Single Board) 69.8 X 100.0 X 9.5 mm^3 (4TB/8TB, Dual Board)
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

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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*&F(P)	DGS25-B56M71%C*&F(P)	DGS25-C12M71%C*QF(P)	DGS25-01TM71%C*QF(P)	DGS25-02TM71%CAQF(P)	DGS25-04TM71%C*QF(P)	DGS25-08TM71%CBQF
Industrial Grade (-40°C ~ +85°C)	DGS25-A28M71%W*&F(P)	DGS25-B56M71%W*&F(P)	DGS25-C12M71%W*QF(P)	DGS25-01TM71%W*QF(P)	DGS25-02TM71%WAQF(P)	DGS25-04TM71%W*QF(P)	DGS25-08TM71%WBQF

%. E: 64 layers 3D TLC; G: 96 layers 3D TLC; K: 112 layers 3D TLC

*. 1~9/A~Z: PCB version control

&. S=Single channel; D=Dual channel; Q=4 channel