

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
- 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.

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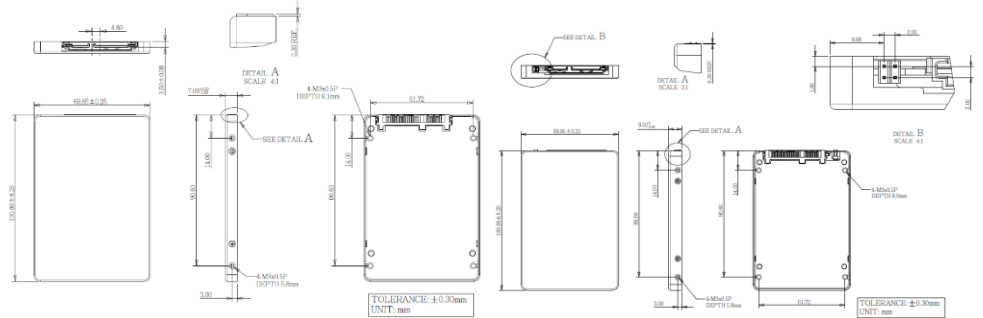
Contact us for more information
about the 2.5" SATA SSD 3TG6-P

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-2TB/single board)

* DGS25-XXXM71XXXQF (4TB) Dual Board



Specifications

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Interface	SATA III
Flash Type	3D TLC
Capacity	128GB~4TB
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 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 CrystalDiskMark 6.0.2 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 (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% CAQF(P)
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% WAQF(P)

%: E: 64 layers 3D TLC; K: 112 layers 3D TLC
*: 1~9/A~Z: PCB version control
&. S: Single channel; D: Dual channels; Q: Quad channels
(P). iCell (Optional)