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

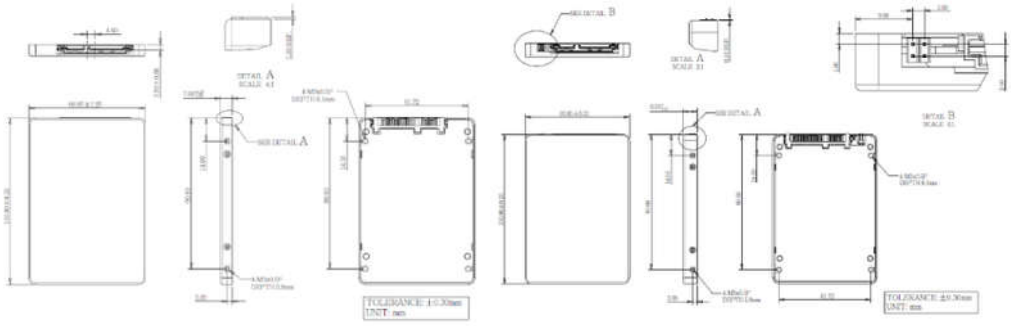
Contact us for more information about the 2.5” SATA SSD 3TG6-P

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-2TB)

* DGS25-04TM71EXAQF (4TB)



Specifications

Interface	SATA III
Flash Type	3D TLC
Capacity	128GB~4TB
Max. Channels	4
Sequential R/W (MB/sec, max.)*	530 / 525 MB/s
4KB Random (QD32) R/W (IOPS)*	87000 / 70000
Max. Power Consumption	7.7W
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 ~ 2TB) 69.8 X 100.0 X 9.2 mm^3(4TB)
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours
* Sequential performance based on CystalDiskMark 5.1.2 with file size 1000MB	

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Ordering Information (Please refer to TPS for detail)

Operation Temp.	128GB	256GB	512GB	1TB	2TB	4TB
Standard Grade (0°C ~ +70°C)	DGS25-A28M71EC3QF DGS25-A28M71EC1QFP	DGS25-B56M71EC3QF DGS25-B56M71EC1QFP	DGS25-C12M71EC3QF DGS25-C12M71EC1QFP	DGS25-01TM71EC1QF(P)	DGS25-02TM71ECAQF(P)	DGS25-04TM71ECAQF
Industrial Grade (-40°C ~ +85°C)	DGS25-A28M71EW3QF DGS25-A28M71EW1QFP	DGS25-B56M71EW3QF DGS25-B56M71EW1QFP	DGS25-C12M71EW3QF DGS25-C12M71EW1QFP	DGS25-01TM71EW1QF(P)	DGS25-02TM71EWAQF(P)	DGS25-04TM71EWAQF