Datasheet

2.5” SATA SSD 3MG2-P series

- 2.5” SATA III solution for industrial field
- 7mm height mechanical design
- High IOPS
- Intelligent error recovery system
- iSMART disk health monitoring
- iData Guard for abnormal power failure
- iCell technology for data protection (optional)
- DEVSLP supported



Introduction

Innodisk 2.5” SATA SSD 3MG2-P is SATA III 6Gb/s flash based 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. 3MG2-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. Additionally, 3MG2-P SATA SSD can support device sleep mode (DEVSLP) and thus be able to benefit in extreme low power consumption.

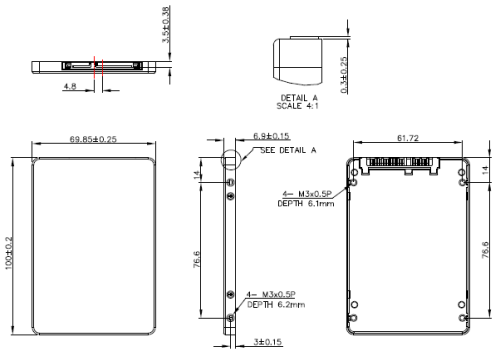
2.5” SATA SSD
3MG2-P series

Contact us for more information about the 2.5” SATA SSD 3MG2-P

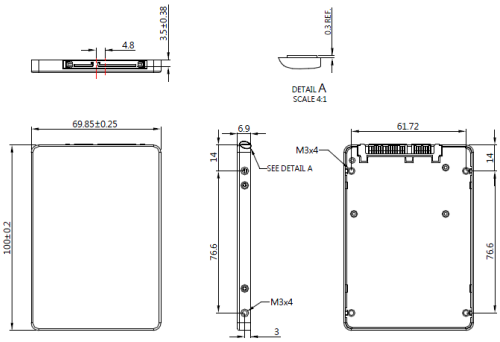
Innodisk is a service-driven provider of industrial embedded flash and DRAM storage products and technologies, with a focus on the industrial/embedded, aerospace and defense, and cloud computing industries.

Drawing

* DGS25-XXXD81SX1XC



* DGS25-XXXD81SX3XC



Specifications

Interface	SATA III
Flash Type	MLC
Capacity	8GB~1TB
Max. Channels	4
Sequential R/W (MB/sec, max.)*	520 / 450 MB/s (Toshiba MLC) 520 / 300 MB/s (Micron MLC)
4KB Random (QD32) R/W (IOPS)**	70,000/25,000
Max. Power Consumption	6 W (5V x 1.2A)
Thermal Sensor	√
External DRAM Buffer	√
H/W Write Protect	–
ATA Security	√
S.M.A.R.T.	√
DEVSLP Mode	√ (min. power consumption 3mW)
Slumber Mode	√ (min. power consumption 30mW)
Dimension (WxLxH)	70.0 X 100.0 X 6.8 mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours

* Sequential performance based on CystalDiskMark 3.01 with file size 1000MB

* * Random performance based on IOmeter with Queue Depth 32

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Ordering Information (Please refer to TPS for detail)

20150305

Operation Temp.	8GB	16GB	32GB	64GB	128GB	256GB	512GB	1TB
Standard Grade (0°C ~ +70°C)	DGS25-08GD81SC3SC DGS25-08GD81SC1SCP	DGS25-16GD81SC3DC DGS25-16GD81SC1DCP	DGS25-32GD81SC3QC DGS25-32GD81SC1QCP	DGS25-64GD81SC1QC(P)	DGS25-A28D81SC1QC(P)	DGS25-B56D81SC1QC(P)	DGS25-C12D81SC1QC(P)	DGS25-01TD81SCAQC(P)
Industrial Grade (-40°C ~ +85°C)	DGS25-08GD81SW3SC DGS25-08GD81SW1SCP	DGS25-16GD81SW3DC DGS25-16GD81SW1DCP	DGS25-32GD81SW3QC DGS25-32GD81SW1QCP	DGS25-64GD81SW1QC(P)	DGS25-A28D81SW1QC(P)	DGS25-B56D81SW1QC(P)	DGS25-C12D81SW1QC(P)	DGS25-01TD81SWAQC(P)