

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

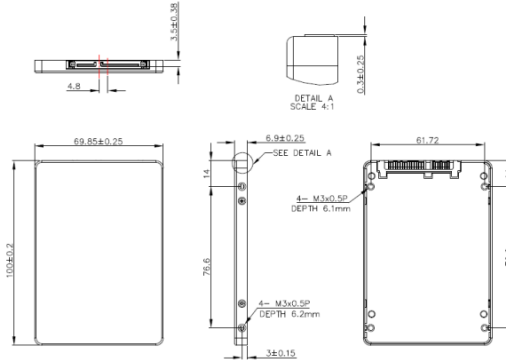
Innodisk 2.5" SATA SSD 3MG2-P is SATA III 6Gb/s flash based disk, which delivers excellent performance, especially in random data transfer rate, and which offers reliability making it the ideal solution for a variety of applications, including embedded system, industrial computing, and enterprise field. 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.

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Drawing

* DGS25-XXXD81BX1(A)XX(P)



Specifications

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Interface	SATA III
Flash Type	MLC
Capacity	8GB~2TB
Max. Channels	4
Sequential R/W (MB/sec, max.)*	520 / 450 MB/s
4KB Random (QD32) R/W (IOPS)*	75,000/78,000
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)	69.85 X 100.0 X 6.9 mm(8GB-1TB) 69.85 X 100.0 X 9.5 mm(2TB)
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours
* Sequential performance based on CrystalDiskMark 3.03 with file size 1000MB	

Ordering Information (Please refer to TPS for detail)

Operation Temp.	8GB	16GB	32GB	64GB	128GB	256GB	512GB	1TB	2TB
Standard Grade (0°C ~ +70°C)	DGS25-08GD81BC3SC DGS25-08GD81BC1SC(P)	DGS25-16GD81BC3DC DGS25-16GD81BC1DC(P)	DGS25-32GD81BC3QC DGS25-32GD81BC1QC(P)	DGS25-64GD81BC1QC(P)	DGS25-A28D81BC1QC(P)	DGS25-B56D81BC3QC DGS25-B56D81BC1QC(P)	DGS25-C12D81BC1QC(P)	DGS25-01TD81BCAQ(C)(P)	DGS25-02TD81BCAQ(C)
Industrial Grade (-40°C ~ +85°C)	DGS25-08GD81BW3SC DGS25-08GD81BW1SC(P)	DGS25-16GD81BW3DC DGS25-16GD81BW1DC(P)	DGS25-32GD81BW3QC DGS25-32GD81BW1QC(P)	DGS25-64GD81BW1QC(P)	DGS25-A28D81BW1QC(P)	DGS25-B56D81BW3QC DGS25-B56D81BW1QC(P)	DGS25-C12D81BW1QC(P)	DGS25-01TD81BWAQC(P)	DGS25-02TD81BWAQC

(P): optional for iCell