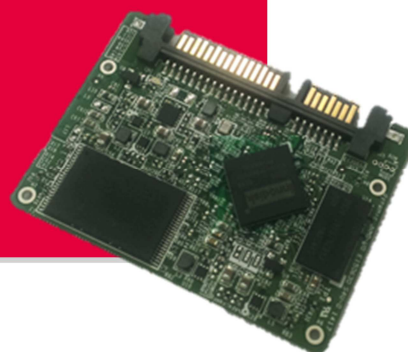


Datasheet

SATA Slim 3MG2-P series

- SATA III solution for industrial field
- High IOPS solution
- iData Guard protection
- iSMART disk health monitoring
- Intelligent error recovery system
- Excellent data transfer speed
- Zero mechanical interference
- Compatible with JEDEC MO-297 standard



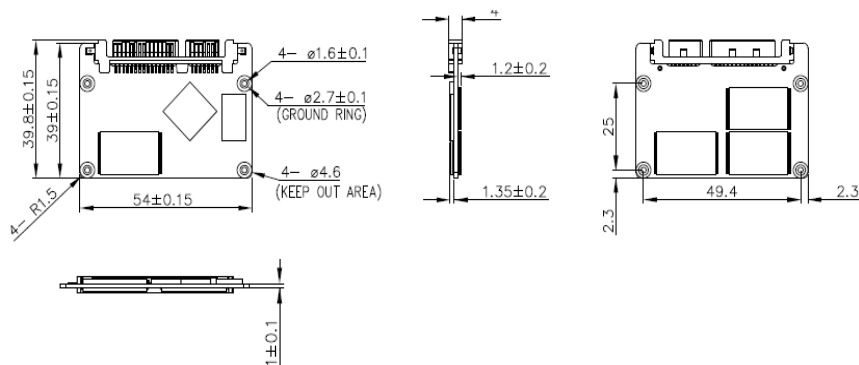
Introduction

Innodisk SATA Slim 3MG2-P is SATA III 6Gb/s Flash based disk, which designed with standard SATA interface (7+15 SATA connector), and compatible with JEDEC MO-297 standard. With its smaller dimension, SATA Slim 3MG2-P is an alternative solution of 2.5" SSD for those embedded system that may have mechanical and space concerns. Innodisk SATA Slim 3MG2-P operates under SATA III (6.0Gb/s) interface with excellent performance and reliability making it the ideal solution for a variety of applications, including embedded system, and industrial field.

SATA Slim 3MG2-P series Drawing

Contact us for more information about the SATA Slim 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.



Interface	SATA III
Flash Type	MLC
Capacity	8GB~512GB
Max. Channels	4
Sequential R/W (MB/sec, max.)*	520/460 MB/s
4KB Random (QD32) R/W (IOPS)**	75,000/79,000
Max. Power Consumption	2.6W (5V x 520 mA)
Thermal Sensor	√
External DRAM Buffer	√
H/W Write Protect	Optional
Pin7 Power	-
ATA Security	√
S.M.A.R.T.	√
DEVSLP Mode	√ (min. power consumption 3mW)
Slumber Mode	√ (min. power consumption 30mW)
Dimension (WxLxH)	54.0 X 39.0 X 4.0 mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours

* Sequential performance based on CrystalDiskMark 3.01 with file size 1000MB
** Random performance based on Iometer with Queue Depth 32

20160802

Ordering Information

Operation Temp.	8GB	16GB	32GB	64GB	128GB	256GB	512GB
Standard Grade (0°C ~ +70°C)	DGSLM-08GD81SC1SC	DGSLM-16GD81SC1DC	DGSLM-32GD81SC1QC	DGSLM-64GD81SC1QC	DGSLM-A28D81SC1QC	DGSLM-B56D81BC1QC	DGSLM-C12D81SCAQC
	DGSLM-08GD81BC1SC	DGSLM-16GD81BC1SC	DGSLM-32GD81BC1DC	DGSLM-64GD81BC1QC	DGSLM-A28D81BC1QC	DGSLM-B56D81SCAQN	DGSLM-C12D81BCAQC
Industrial Grade (-40°C ~ +85°C)	DGSLM-08GD81SW1SC	DGSLM-16GD81SW1DC	DGSLM-32GD81SW1QC	DGSLM-64GD81SW1QC	DGSLM-A28D81SW1QC	DGSLM-B56D81BW1QC	DGSLM-C12D81SWAQC
	DGSLM-08GD81BW1SC	DGSLM-16GD81BW1SC	DGSLM-32GD81BW1DC	DGSLM-64GD81BW1QC	DGSLM-A28D81BW1QC	DGSLM-B56D81SWAQN	DGSLM-C12D81BWAQC
			DGSLM-32GD81SWADN	DGSLM-64GD81SWAQN	DGSLM-A28D81SWAQN		DGSLM-C12D81SWAQN

S: Toshiba A19nm Synchronous Flash / B: Toshiba 15nm Synchronous Flash

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