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Datasheet

SATA Slim 3ME3 series

- SATA III solution for industrial field
- Innovative Firmware Algorithm
- DRAM-less, 100% data integrity
- Excellent random performance
- Wide Temperature: $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$
- Supports TRIM/NCQ/SMART
- Built in iData Guard
- iSMART disk health monitoring
- Compatible with JEDEC MO-297 standard



Introduction

Innodisk SATA Slim 3ME3 is SATA III 6Gb/s Flash based disk, which designed with standard SATA interface (7+15 SATA connector), and compliant with JEDEC MO-297 standard. With its smaller dimension, SATA Slim 3ME3 is an alternative solution of 2.5" SSD for those embedded system that may have mechanical and space concerns. Innodisk SATA Slim 3ME3 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.

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SATA Slim 3ME3 series

Contact us for more information
about the SATA Slim 3ME3

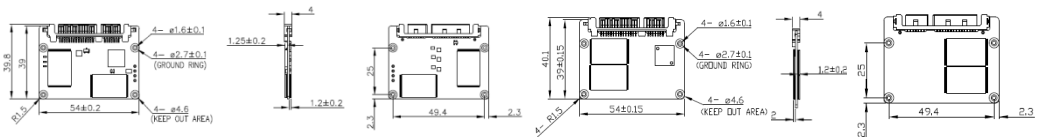
Innodisk is a service-driven provider of industrial embedded flash and DRAM storage products and technologies, with a focus on the industrial/embedded, aerospace and defense, and cloud computing industries.

Drawing

- * DESLM-XXXD08SX1XC
- * DESLM-XXXD08BX1XC



- * DESLM-XXXD09SX1XC
- * DESLM-XXXD09BX1XC



GENERAL TOLERANCE: ±0.15mm

Specifications

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Interface	SATA III
Flash Type	MLC
Capacity	8GB~256GB
Max. Channels	4
Sequential R/W (MB/sec, max.)	420 / 140
Max. Power Consumption	1.6W (5V x 310 mA)
Thermal Sensor	ST- Optional/ WT- Default
External DRAM Buffer	-
H/W Write Protect	-
Pin7 Power	-
ATA Security	√
S.M.A.R.T.	√
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

Ordering Information

Operation Temp.	8GB	16GB	32GB	64GB	128GB	256GB
Standard Grade (0°C ~ +70°C)	DESLM-08GD09SC1SC	DESLM-16GD09SC1DC	DESLM-32GD08SC1QC	DESLM-64GD08SC1QC	DESLM-A28D08SC1QC	DESLM-B56D08BC1QC
	DESLM-08GD09BC1SC	DESLM-16GD09BC1SC	DESLM-32GD09BC1DC	DESLM-64GD08BC1QC	DESLM-A28D08BC1QC	
Industrial Grade (-40°C ~ 85°C)	DESLM-08GD09SW1SC	DESLM-16GD09SW1DC	DESLM-32GD08SW1QC	DESLM-64GD08SW1QC	DESLM-A28D08SW1QC	DESLM-B56D08BW1QC
	DESLM-08GD09BW1SC	DESLM-16GD09BW1SC	DESLM-32GD09BW1DC	DESLM-64GD08BW1QC	DESLM-A28D08BW1QC	

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

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