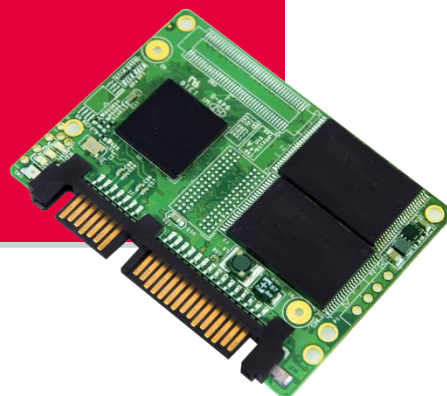


Datasheet

SATA Slim

3IE series

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



Introduction

iSLC [3IE series], designed to outdo the endurance, performance and reliability of MLC-based solutions. Through the use of flash management algorithms, iSLC improves SSD endurance up to 30,000 times, increasing lifespans up to 10 times longer than MLC-based solutions. In addition, iSLC improves the performance of solid state drives, with similar write performance of SLC-based solutions, and with data quality that is on par with SLC technologies. The Innodisk iSLC series is cost efficient, boasting excellent benefits at only half the price of SLC-based solutions.

Innodisk SATA Slim 3IE 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 3IE is an alternative solution of 2.5" SSD for those embedded system that may have mechanical and space concerns. Innodisk SATA Slim 3IE 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.

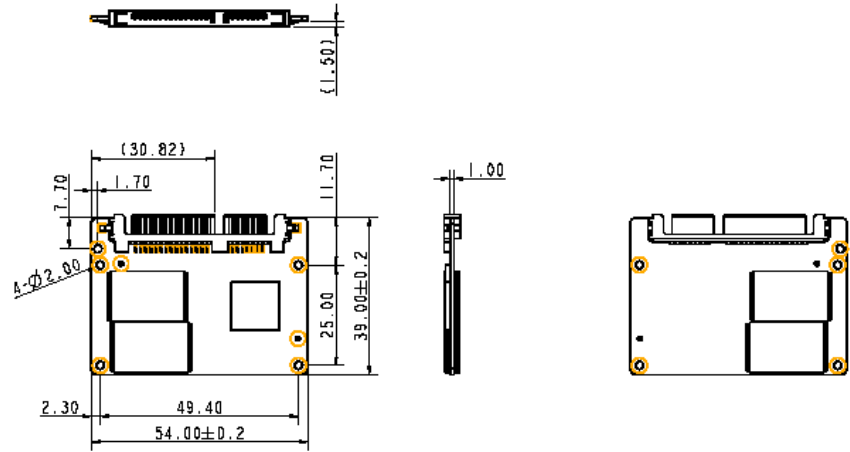
SATA Slim

3IE series

Drawing

Contact us for more information about the SATA Slim 3IE

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.



Specifications

Interface	SATA III
Flash Type	iSLC
Flash P/E Cycle Limit	30,000
Capacity	4GB~128GB
Max. Channels	4
Sequential R/W (MB/sec, max.)	460 / 370
Max. Power Consumption	1.58W (5V x 315 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

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Ordering Information

Operation Temp.	4GB	8GB	16GB	32GB	64GB	128GB
Standard Grade (0°C ~ +70°C)	DHSLM-04GD062C1SC	DHSLM-08GD062C1DC	DHSLM-16GD062C1QC	DHSLM-32GD062C1QC	DHSLM-64GD062C1QC	DHSLM-A28D062CAQC
Industrial Grade (-40°C ~ +85°C)	DHSLM-04GD062W1SC	DHSLM-08GD062W1DC	DHSLM-16GD062W1QC	DHSLM-32GD062W1QC	DHSLM-64GD062W1QC	DHSLM-A28D062WAQC

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