Datasheet

2.5" SATA SSD
3IE4 series

- 2.5" SATA III soultion for industrial field
- 7mm height mechinicial design
- DRAM-less, high-level data integrity
- L^3 architecture extends lifespan
- Excellent IOPS boosts system performance
- Built-in thermal sensor
- Support S.M.A.R.T, TRIM, NCQ and iData Guard

Introduction

Innodisk 2.5" SATA SSD 3IE4 is characterized by L^3 architecture with the latest SATA III (6.0GHz) Marvell NAND controller. Innodisk's exclusive L^3 architecture is L^2 architecture multiplied LDPC (Low Density Parity Check). L^2 (Long Life) architecture is a 4K mapping algorithm that reduces WAF and features a real-time wear leveling algorithm to provide high performance and prolong lifespan with exceptional reliability.
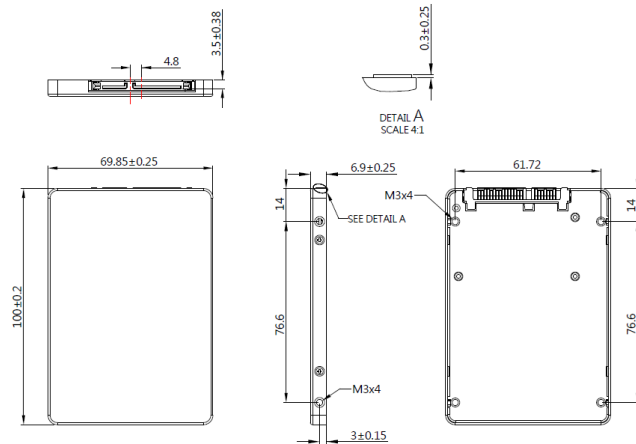
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Drawing

Specifications

Interface	SATA III
Flash Type	iSLC
Flash P/E Cycle Limit	20,000
Capacity	8GB~128GB
Max. Channels	2
Sequential R/W (MB/sec, max.)	530/380
Max. Power Consumption	0.8 W (5V x 160 mA)
Thermal Sensor	Supported
External DRAM Buffer	–
H/W Write Protect	–
S/W Write Protect	Supported
Pin7 Power	–
ATA Security	Supported
S.M.A.R.T.	Supported
Dimension (WxLxH)	69.85 X 100.10 X 6.9 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
Standard Grade (0°C ~ +70°C)	DHS25-08GM41BC1SC DHS25-08GM41BC1DC	DHS25-16GM41BC1DC	DHS25-32GM41BC1DC	DHS25-64GM41BC1DC	DHS25-A28M41BC1DC
Industrial Grade (-40°C ~ +85°C)	DHS25-08GM41BW1SC DHS25-08GM41BW1DC	DHS25-16GM41BC1DC	DHS25-32GM41BW1DC	DHS25-64GM41BW1DC	DHS25-A28M41BW1DC

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