

Datasheet

2.5" SATA SSD

3TEB series

- 2.5" SATA Slim SATA III solution for industrial field
- High IOPS
- iSMART disk health monitoring
- iPower Guard for protecting unstable start up and shut down.
- iData Guard for abnormal power failure



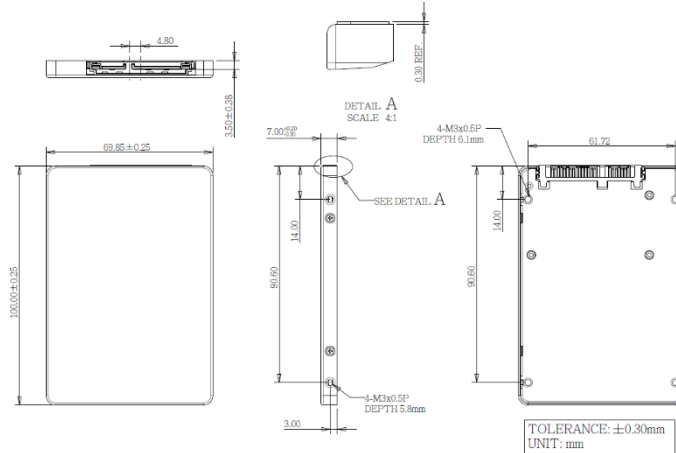
Introduction

Innodisk 2.5" SATA SSD 3TEB is SATA III 6.0 Gb/s flash based disk, which adopts latest SATA III NAND controller with Innodisk's exclusive L³ FW architecture. The upgraded L³ FW architecture, combining Innodisk signature 4K mapping algorithm L² FW architecture with powerful LDPC technology, makes 3TEB series have outstanding high IOPS, better data integrity and extended lifespan through reducing the bad block number happening. Built-in thermal sensor, and iData Guard ensure data integrity and reliability of 2.5" SATA SSD 3TEB for industrial applications.

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Diagram



Specifications

Interface	SATA III
Flash Type	3D TLC
Capacity	64GB~2TB
Max. Channels	2
Sequential R/W (MB/sec, max.)*	550 / 500 MB/s
4KB Random (QD32) R/W (IOPS)**	75,000/77,000
Max. Power Consumption	1.3W
Thermal Sensor	√
External DRAM Buffer	-
H/W Write Protect	-
ATA Security	√
S.M.A.R.T.	√
Dimension (WxLxH)	69.8 X 100.0 X 7.0 mm
Environment	Vibration: 20G @ 7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -40°C ~ +85°C MTBF: 3 million hours
* Performance based on CrystalDiskMark 8.0.1 with file size 1000MB	

Contact us for more information about the 2.5" SATA SSD 3TEB.

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.

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Ordering Information (Please refer to TPS for detail)

Operation Temp.	64GB	128GB	256GB	512GB	1TB	2TB
Standard Grade (0°C ~ +70°C)	DES25-64GIC1KCCSF	DES25-A28IC1KCCDF	DES25-B56IC1KCCDF	DES25-C12IC1KCCDF	DES25-01TIC1KCCDF	DES25-02TIC1KCCDF
Industrial Grade (-40°C ~ +85°C)	DES25-64GIC1KWCSF	DES25-A28IC1KWCSF	DES25-B56IC1KWCSF	DES25-C12IC1KWCSF	DES25-01TIC1KWCSF	N/A