

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.

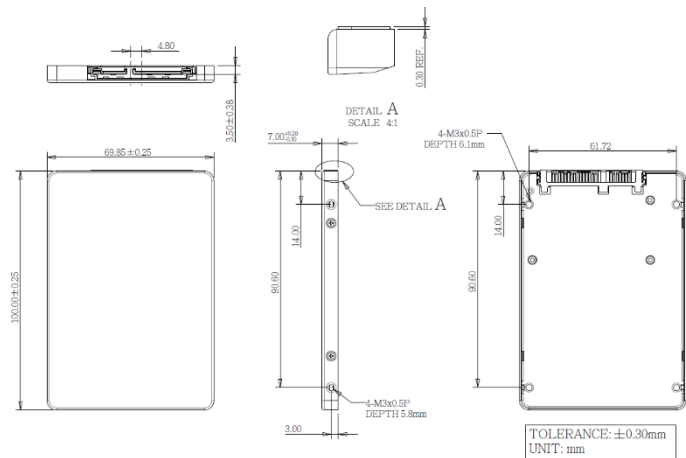
2.5" SATA SSD

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Diagram

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.



Specifications

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Interface	SATA III
Flash Type	3D TLC
Capacity	128GB~1TB
Max. Channels	2
Sequential R/W (MB/sec, max.)*	540 / 500 MB/s
4KB Random (QD32) R/W (IOPS)**	75,000/72,000
Max. Power Consumption	3.6W
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	

Ordering Information (Please refer to TPS for detail)

Operation Temp.	128GB	256GB	512GB	1TB
Standard Grade (0°C ~ +70°C)	DES25-A28IC1KCCDF	DES25-B56IC1KCCDF	DES25-C12IC1KCCDF	DES25-01TIC1KCCDF