

Datasheet

mSATA

3TEB series

- mSATA 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

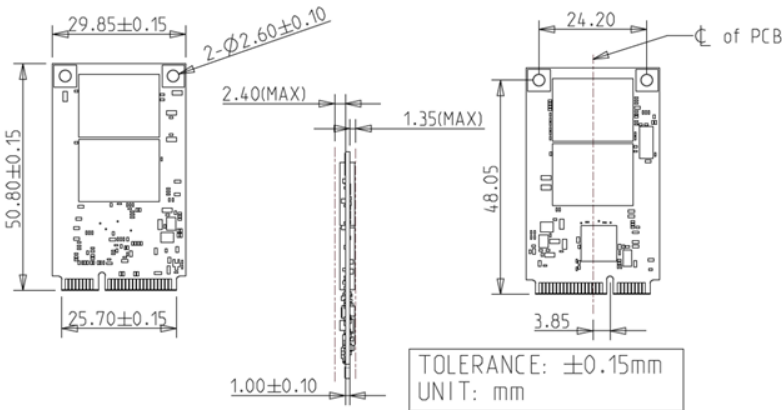
Innodisk mSATA 3TEB is SATA III 6.0 Gb/s flash based disk, which adopts latest SATA III NAND controller with Innodisk's exclusive L³ FW architecture. The upgraded L³ FW architecture, combining Innodisk signature 4K mapping algorithm L² FW architecture with powerful LDPC technology, makes 3TEB series 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 mSATA 3TEB for industrial applications.

mSATA SSD 3TEB series

Diagram

Contact us for more information about mSATA 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	64GB~2TB
Max. Channels	2
Sequential R/W (MB/sec, max.)*	560 / 480 MB/s
Max. Power Consumption	1.3W
Thermal Sensor	✓
External DRAM Buffer	-
H/W Write Protect	
ATA Security	✓
S.M.A.R.T.	✓
Dimension (WxLxH)	29.85 X 50.8 X 4.75 mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -40°C ~ +85°C MTBF: 3 million hours
* Performance based on CystalDiskMark 8.0.1 with file size 1000MB	

Ordering Information (Please refer to TPS for detail)

Operation Temp.	64GB	128GB	256GB	512GB	1TB	2TB
Standard Grade (0°C ~ +70°C)	N/A	DEMSR-A28IC1KCADF	DEMSR-B56IC1KCADF	DEMSR-C12IC1KCADF	DEMSR-01TIC1KCADF	DEMSR-02TIC1KCADF
Industrial Grade (-40°C ~ +85°C)	DEMSR-64GIC1KWASF	DEMSR-A28IC1KWADF	DEMSR-B56IC1KWADF	DEMSR-C12IC1KWADF	DEMSR-01TIC1KWADF	N/A