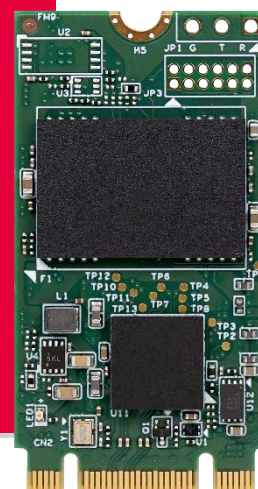


Datasheet

M.2 (S42)

3TEB series

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



Introduction

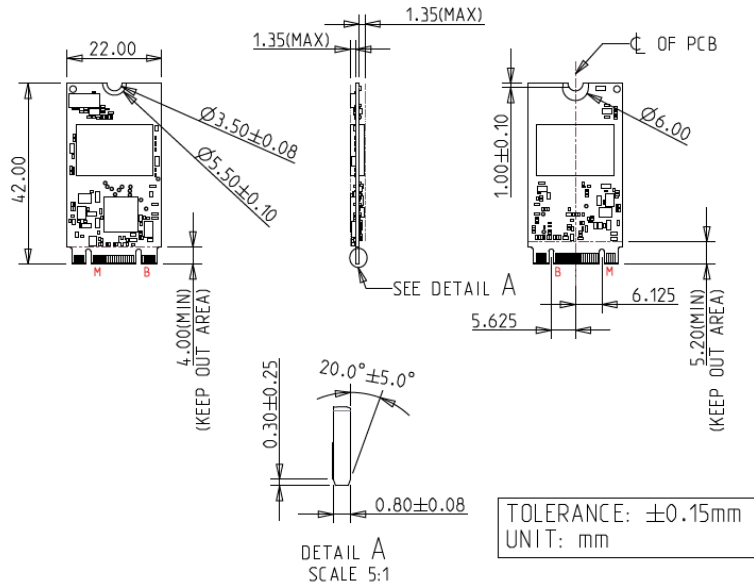
Innodisk M.2 (S42) 3TEB is SATA III 6.0 Gb/s flash based disk, which adopts latest SATA III NAND controller with Innodisk's exclusive L³ FW architecture. The upgraded L³ FW architecture, combining Innodisk signature 4K mapping algorithm L² FW architecture with powerful LDPC technology, makes 3TEB series 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 M.2 (S42) 3TEB for industrial applications.

M.2 (S42) 3TEB series

Contact us for more
information about the
M.2 (S42) 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.

Diagram



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Specifications

Interface	SATA III
Flash Type	3D TLC
Capacity	64GB~2TB
Max. Channels	2
Sequential R/W (MB/sec, max.)*	550 / 480 MB/s
4KB Random (QD32) R/W (IOPS)	77,000/77,000
Max. Power Consumption	1.2W
Thermal Sensor	√
External DRAM Buffer	-
H/W Write Protect	-
ATA Security	√
S.M.A.R.T.	√
Dimension (WxLxH)	22.0 X 42.0 X 3.5 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.	64GB	128GB	256GB	512GB	1TB	2TB
Standard Grade (0°C ~ +70°C)	DEM24-64GIC1KASF	DEM24-A28IC1KCADF	DEM24-B56IC1KCADF	DEM24-C12IC1KCADF	DEM24-01TIC1KCADF	DEM24-02TIC1KCADF
Industrial Grade (-40°C ~ +85°C)	DEM24-64GIC1KWASF	DEM24-A28IC1KWADF	DEM24-B56IC1KWADF	DEM24-C12IC1KWADF	DEM24-01TIC1KWADF	DEM24-02TIC1KWADF

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