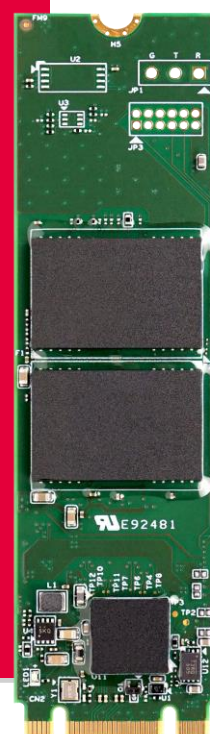


Datasheet

M.2 (S80)

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 (S80) 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 (S80) 3TEB for industrial applications.

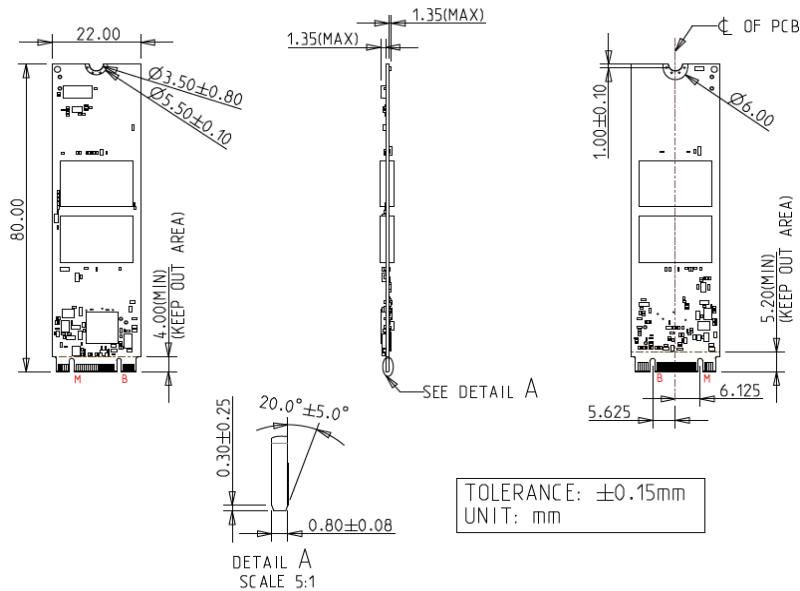
M.2 (S80)

3TEB series

Contact us for more information about the M.2 (S80) 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	128GB~1TB
Max. Channels	2
Sequential R/W (MB/sec, max.)*	550 / 480 MB/s
4KB Random (QD32) R/W (IOPS)	75,000/76,000
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 80.0 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 CystalDiskMark 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)	DEM28-A28IC1KCADF	DEM28-B56IC1KCADF	DEM28-C12IC1KCADF	DEM28-01TIC1KCADF
Industrial Grade (-40°C ~ +85°C)	DEM28-A28IC1KWADF	DEM28-B56IC1KWADF	DEM28-C12IC1KWADF	DEM28-01TIC1KWADF

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