Datasheet

SATA Slim
3TE7 series

- 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

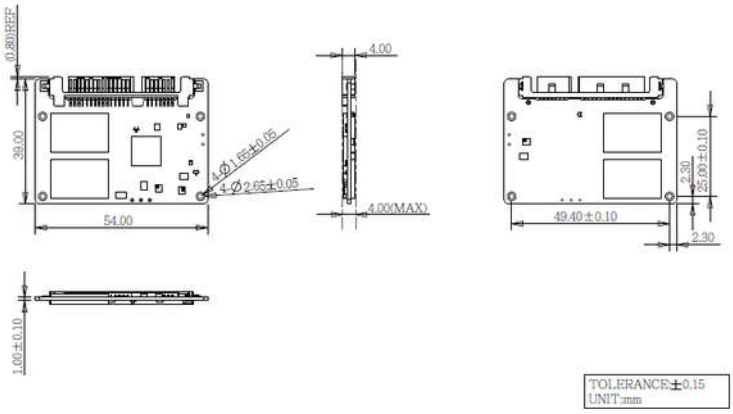
Innodisk SATA Slim 3TE7 is SATA III 6.0 Gb/s flash based disk, which adopts latest SATA III NAND controller with Innodisk's exclusive L^3 FW architecture. The upgraded L^3 FW architecture, combining Innodik signature 4K mapping algorithm L^2 FW architecture with powerful LDPC technology, makes 3TE7 series 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 SATA Slim 3TE7 for industrial applications.

SATA Slim 3TE7 series

Contact us for more information about the SATA Slim 3TE7.

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



Specifications

Interface	SATA III
Flash Type	3D TLC
Capacity	32GB~1TB
Max. Channels	4
Sequential R/W (MB/sec, max.)*	550 / 370 MB/s
4KB Random (QD32) R/W (IOPS)**	82,000/73,000
Max. Power Consumption	3.76W
Thermal Sensor	√
H/W Write Protect	Optional
ATA Security	√
S.M.A.R.T.	√
Dimension (WxLxH)	54.0 X 39.0 X 4.0 mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours
* Performance based on CystalDiskMark 3.01 with file size 1000MB	

Ordering Information (Please refer to TPS for detail)

Operation Temp.	32GB	64GB	128GB	256GB	512GB	1TB
Standard Grade (0°C ~ +70°C)	DESLM-32GDK1EC1SF	DESLM-64GDK1EC1DF	DESLM-A28DK1EC1QF	DESLM-B56DK1EC1QF	DESLM-C12DK1EC1QF	DESLM-01TDK1ECAQF
Industrial Grade (-40°C ~ +85°C)	DESLM-32GDK1EW1SF	DESLM-64GDK1EW1DF	DESLM-A28DK1EW1QF	DESLM-B56DK1EW1QF	DESLM-C12DK1EW1QF	DESLM-01TDK1EWAQF

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