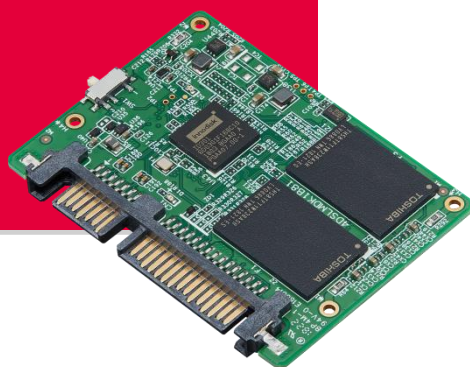


Datasheet

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

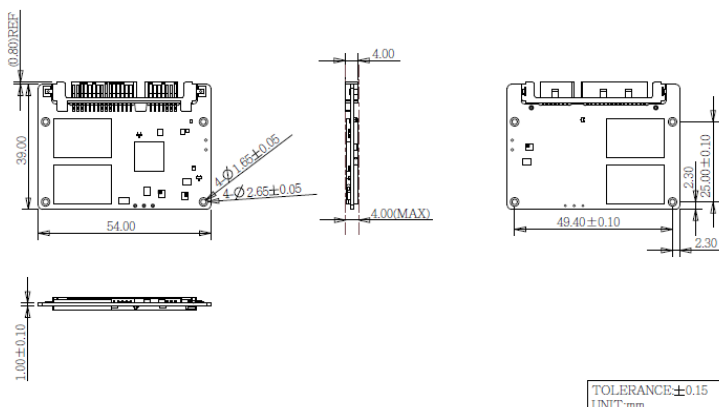
Innodisk SATA Slim 3TE7 is SATA III 6.0 Gb/s flash based disk, which adopts latest SATA III NAND controller with Innodisk's exclusive L³ FW architecture. The upgraded L³ FW architecture, combining Innodisk signature 4K mapping algorithm L² FW architecture with powerful LDPC technology, makes 3TE7 series 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

Diagram

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.



Specifications

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20180607

Interface	SATA III
Flash Type	3D TLC
Capacity	32GB~2TB
Max. Channels	4
Sequential R/W (MB/sec, max.)*	550 / 510 MB/s
4KB Random (QD32) R/W (IOPS)**	82,000/70,000
Max. Power Consumption	3.8 W
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 CrystalDiskMark 3.01 with file size 1000MB	

Ordering Information (Please refer to TPS for detail)

Operation Temp.	32GB	64GB	128GB	256GB	512GB	1TB	2TB
Standard Grade (0°C ~ +70°C)	DESLM-32GDK1EC1SF	DESLM-64GDK1EC1DF	DESLM-A28DK1%C*QF	DESLM-B56DK1%C*QF	DESLM-C12DK1%C*QF	DESLM-01TDK1%CAQF	DESLM-02TDK1%CAQF
Industrial Grade (-40°C ~ +85°C)	DESLM-32GDK1EW1SF	DESLM-64GDK1EW1DF	DESLM-A28DK1EW1QF	DESLM-B56DK1EW1QF	DESLM-C12DK1EW1QF	DESLM-01TDK1EWAQF	-----
Standard Grade (0°C ~ +70°C) 112 Layers 3D TLC	-----	-----	DESLM-A28DK1KCAQF	DESLM-B56DK1KCAQF	DESLM-C12DK1KCAQF	DESLM-01TDK1KCAQF	DESLM-02TDK1KCAQF

%: E: 64 layers 3D TLC; G: 96 layers 3D TLC

*, PCB Version



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