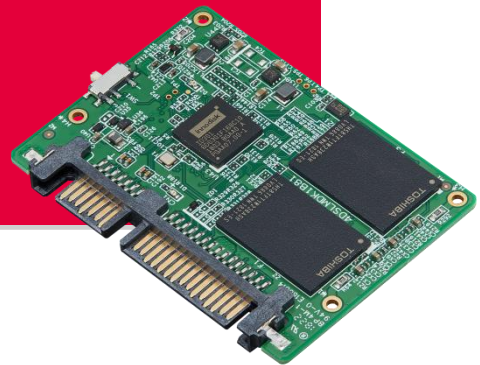


Datasheet

# 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

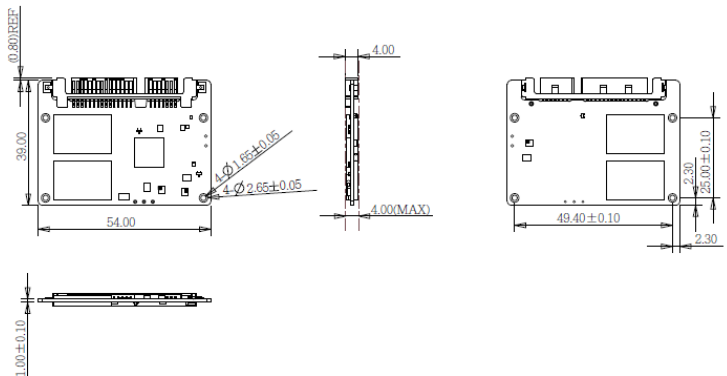
Innodisk SATA Slim 3TE7 is SATA III 6.0 Gb/s flash based disk, which adopts latest SATA III NAND controller with Innodisk's exclusive L<sup>3</sup> FW architecture. The upgraded L<sup>3</sup> FW architecture, combining Innodisk signature 4K mapping algorithm L<sup>2</sup> FW architecture with powerful 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

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: -40°C ~ +85°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-A28DK1KCADF	DESLM-B56DK1KCAQF	DESLM-C12DK1KCAQF	DESLM-01TDK1KCAQF	DESLM-02TDK1KCAQF

%: E: 64 layers 3D TLC; G: 96 layers 3D TLC  
\*, PCB Version

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