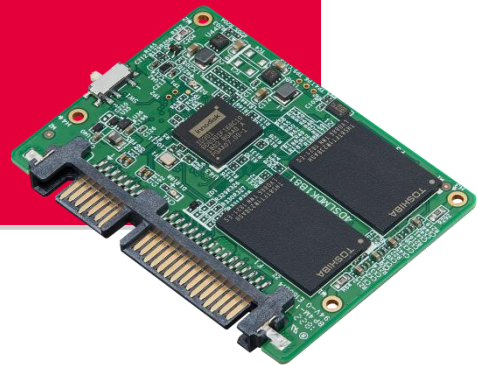


Datasheet

SATA Slim 3IE7 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

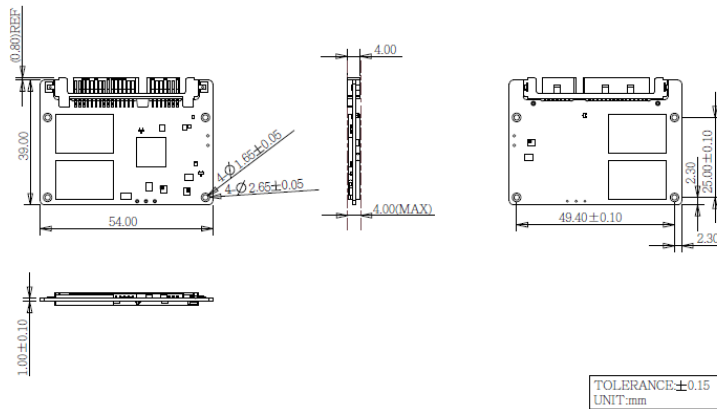
Innodisk SATA Slim 3IE7 is SATA III 6.0 Gb/s flash based disk, which adopts latest SATA III NAND controller with Innodisk's exclusive L³ FW architecture. The upgraded L³ FW architecture, combining Innodisk signature 4K mapping algorithm L² FW architecture with powerful LDPC technology, makes 3IE7 series 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 3IE7 for industrial applications.

SATA Slim 3IE7 series

Diagram

Contact us for more information about the SATA Slim 3IE7.

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	iSLC (3D TLC)
Capacity	40GB~640GB
Max. Channels	4
Sequential R/W (MB/sec, max.)*	550 / 500 MB/s
4KB Random (QD32) R/W (IOPS)**	88,000/77,000
Max. Power Consumption	3.0 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 5.1.2 with file size 1000MB	

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Ordering Information (Please refer to TPS for detail)

Operation Temp.	40GB	80GB	160GB	320GB	640GB
Standard Grade (0°C ~ +70°C)	DHSLM-40GDK1%CADL	DHSLM-80GDK1%CA&L	DHSLM-A60DK1%CAQL	DHSLM-D2GDK1KCAQL	DHSLM-F4GDK1KCAQL
Industrial Grade (-40°C ~ +85°C)	DHSLM-40GDK1%WADL	DHSLM-80GDK1%WA&L	DHSLM-A60DK1%WAQL	DHSLM-D2GDK1KWAQL	DHSLM-F4GDK1KWAQL

%. G: 96 layers 3D TLC; K: 112 layers 3D TLC

&. D: 2 channels; Q: 4 channels

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