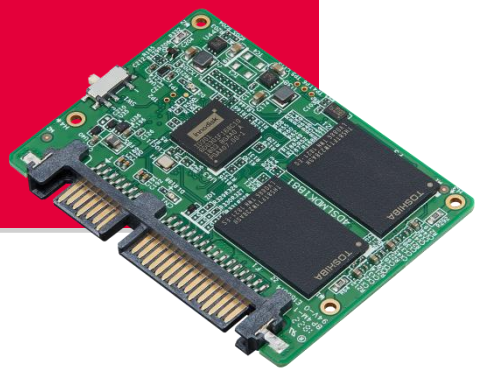
Datasheet

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

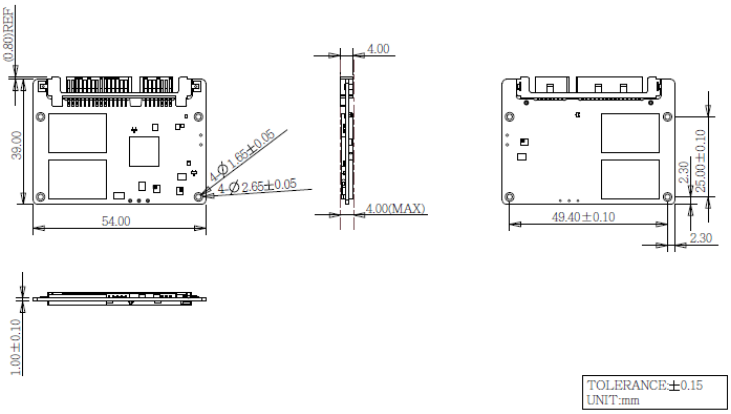
Innodisk SATA Slim 3IE7 is SATA III 6.0 Gb/s flash based disk, which adopts latest SATA III NAND controller with Innodisk's exclusive L^3 FW architecture. The upgraded L^3 FW architecture, combining Innodik signature 4K mapping algorithm L^2 FW architecture with powerful LDPC technology, makes 3IE7 series 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	3D TLC
Capacity	40GB~160GB
Max. Channels	4
Sequential R/W (MB/sec, max.)*	540 / 490 MB/s
4KB Random (QD32) R/W (IOPS)**	73,000/59,000
Max. Power Consumption	2.95 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 CystalDiskMark 5.1.2 with file size 1000MB	

Ordering Information (Please refer to TPS for detail)

Operation Temp.	40GB	80GB	160GB
Standard Grade (0°C ~ +70°C)	DHSLM-40GDK1GCAQL	DHSLM-80GDK1GCAQL	DHSLM-A60DK1GCAQL
Industrial Grade (-40°C ~ +85°C)	DHSLM-40GDK1GWAQL	DHSLM-40GDK1GWAQL	DHSLM-A60DK1GWAQL

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