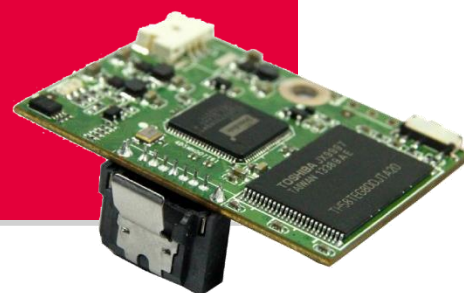


Datasheet

SATADOM-MH

3ME series

- SATA 6Gb/s interface
- iSMART disk health monitoring
- Intelligent error recovery system
- Excellent data transfer speed
- Zero mechanical interference
- Anti-vibration mechanical design
- Built-in Pin7 VCC



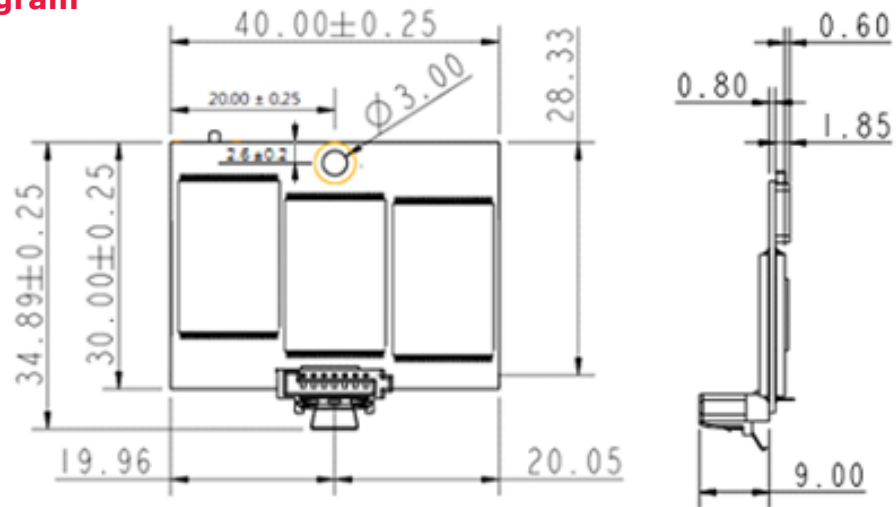
Introduction

Innodisk Serial ATA Disk on Module (SATADOM) supports SATA III standard (6.0Gb/s) interface with excellent performance, and SATADOM-MH 3ME is designed as the smallest form factor size that could enhance compatibility with various design applications. Particularly the 7th pin of standard SATA 7pin connector can optionally be the built-in power VCC pin.

Innodisk SATADOM-MH 3ME effectively reduces the booting time of operation system and the power consumption is less than hard disk drive (HDD), and complies with ATA protocol, no additional drives are required, and can be configured as a boot device or data storage device.

Diagram

Innodisk is a service-driven provider of industrial embedded flash storage products and technologies, with a focus on the cloud computing, industrial/embedded, and aerospace and defense industries.



Specifications

Interface	SATA III
Flash Type	MLC
Capacity	8GB~128GB
Max. Channels	2
Sequential R/W (MB/sec, max.)	300/150
Max. Power Consumption	2W (5V x 400mA)
Thermal Sensor	WT only
External DRAM buffer	-
H/W Write Protect	-
ATA Security	√
S.M.A.R.T.	√
Dimension (WxLxH)	40.0 X 30 X 9.0 mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours

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Ordering Information

Operation Temp.	8GB	16GB	32GB	64GB	128GB
Standard Grade (0°C ~ +70°C)	DESMH-08GD07RC1SC(F)	DESMH-16GD07RC1DC(F)	DESMH-32GD07RC1DC(F)	DESMH-64GD07RC1DC(F)	DESMH-A28D07RC1DC(F)
Industrial Grade (-40°C ~ +85°C)	DESMH-08GD07SW1SC(F)	DESMH-16GD07SW1DC(F)	DESMH-32GD07SW1DC(F)	DESMH-64GD07SW1DC(F)	DESMH-A28D07SW1DC(F)

PN end with F is SATADOM Pin 7 with power supply version, which doesn't provide power cable.

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