

Datasheet

SATADOM-SH 3ME3 V2 series

- Built-in Pin 8 power supply
- Best boot drive solution for server and embedded system
- SATA 6Gb/s interface
- High IOPS to reduce boot up timing
- DRAM-less, 100% data integrity
- Innovative Firmware Algorithm
- Anti-vibration mechanical design
- Built in iData Guard



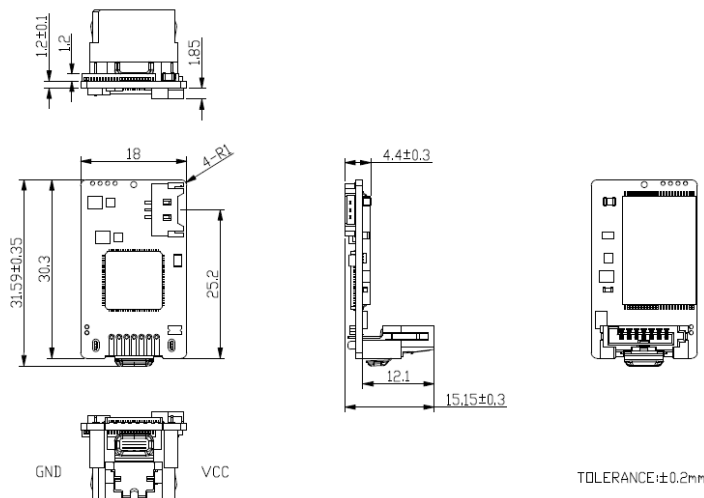
Introduction

Innodisk Serial ATA Disk on Module (SATADOM) supports SATA III standard (6.0Gb/s) interface with excellent performance, and SATADOM-SH 3ME V2 is designed as the smallest form factor size that could enhance compatibility with various design applications.

The innovative Pin8 uses the SATA connector itself as a power supply to drive the device without external cables. It could be connected directly to the SATA on-board socket on customers' system without additional power cable. Besides, the booting time for operation and the power consumption is less than hard disk drive (HDD), and can work under harsh environment compile with ATA protocol, no additional drives are required, and the SSD 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.



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20151027

General Tolerance: $\pm 0.2\text{mm}$

Specifications

Interface	SATA III
Flash Type	MLC
Capacity	8GB~128GB
Max. Channels	2
Sequential R/W (MB/sec, max.)	200 / 80
Max. Power Consumption	1.8W (5V x 370mA)
Thermal Sensor	WT only
External DRAM buffer	-
H/W Write Protect	-
ATA Security	√
S.M.A.R.T.	√
Dimension (WxLxH)	30 X 28.4 X 7.4 mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours

Ordering Information

Operation Temp.	8GB	16GB	32GB	64GB	128GB
Standard Grade (0°C ~ +70°C)	DESSH-08GD09SC1SCA	DESSH-16GD09SC1SCA	DESSH-32GD09SC1SCA	DESSH-64GD09SCADCA	DESSH-A28D09SCADCA
	DESSH-08GD09SC1SCB	DESSH-16GD09SC1SCB	DESSH-32GD09SC1SCB	DESSH-64GD09SCADCB	DESSH-A28D09SCADCB
Industrial Grade (-40°C ~ +85°C)	DESSH-08GD09SW1SCA	DESSH-16GD09SW1SCA	DESSH-32GD09SW1SCA	DESSH-64GD09SWADCA	DESSH-A28D09SWADCA
	DESSH-08GD09SW1SCB	DESSH-16GD09SW1SCB	DESSH-32GD09SW1SCB	DESSH-64GD09SWADCB	DESSH-A28D09SWADCB

*PN end with A: Pin8+ power cable
B: Pin8+ Pin 7