

Datasheet

SATADOM-ML 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-ML 3ME3 V2 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.

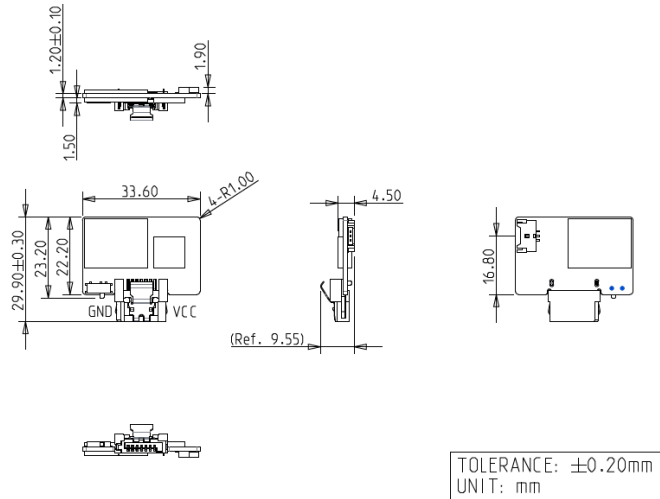
Innodisk SATADOM-ML 3ME3 V2 effectively reduces the booting time of operation system and the power consumption is less than hard disk drive (HDD), and complies with ATA protocol, no additional drives are required, and can be configured as a boot device or data storage device.

SATADOM-ML 3ME3 V2 series

Contact us for more information
about the SATADOM-ML 3ME3 V2.

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

Diagram



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Specifications

Interface	SATA III
Flash Type	MLC
Capacity	32GB~256GB
Max. Channels	4
Sequential R/W (MB/sec, max.)	400/140
Max. Power Consumption	0.85W
Thermal Sensor	ST- Optional/ WT- Default
Extended DRAM buffer	-
H/W Write Protect	√
ATA Security	√
S.M.A.R.T.	√
Dimension (WxLxH)	33.6 X 30.0 X 8.11 mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours

Ordering Information

Operation Temp.	32GB	64GB	128GB	256GB
Standard Grade (0°C ~ +70°C)	DESML-32GD08BCADCA	DESML-64GD08BCAQCA	DESML-A28D08BCAQCA	DESML-B56D08BCAQCA
	DESML-32GD08BCADCB	DESML-64GD08BCAQCB	DESML-A28D08BCAQCB	DESML-B56D08BCAQCB
Industrial Grade (-40°C ~ +85°C)	DESML-32GD08BWADCA	DESML-64GD08BWAQCA	DESML-A28D08BWAQCA	DESML-B56D08BWAQCA
	DESML-32GD08BWADCB	DESML-64GD08BWAQCB	DESML-A28D08BWAQCB	DESML-B56D08BWAQCB

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

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