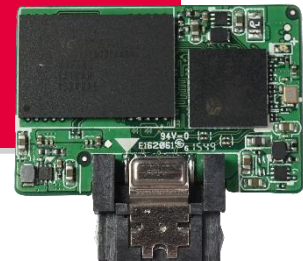


Datasheet

# SATADOM-ML 3ME2 series

- Best boot drive solution for server and embedded system
- SATA 6Gb/s interface
- High IOPS to reduce boot up timing
- Built-in Pin 7/ Pin 8 power supply
- 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 3ME V2 is designed as the smallest form factor size that could enhance compatibility with various design applications.

Particularly the 7<sup>th</sup> pin of SATA 7 pin connector and 8<sup>th</sup> pin on SATA connector can optionally be the built-in power VCC pin. In other words, 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).

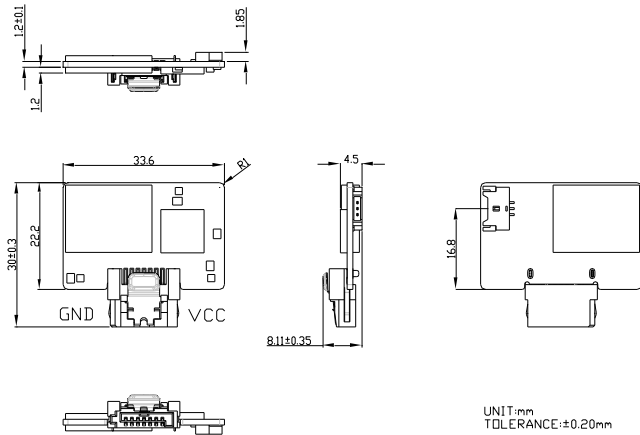
# SATADOM-ML

## 3ME2 series

Contact us for more information about the SATADOM-ML 3ME2.

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.

### Diagram



Dimension tolerance: ±0.2mm

### Specifications

Interface	SATA III
Flash Type	MLC
Capacity	16GB~128GB
Max. Channels	4
Sequential R/W (MB/sec, max.)	510 / 160
Max. Power Consumption	1.68W (5V x 336mA)
Thermal Sensor	√
External DRAM buffer	-
H/W Write Protect	-
ATA Security	√
S.M.A.R.T.	√
Dimension (WxLxH)	33.6 X 30 X 8.11 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.	16GB	32GB	64GB	128GB
Standard Grade (0°C ~ +70°C)	DESML-16GD72SCASNA	DESML-32GD72SCADNA	DESML-64GD72SCAQNA	DESML-A28D72SCAQNA
	DESML-16GD72SCASNB	DESML-32GD72SCADNB	DESML-64GD72SCAQNB	DESML-A28D72SCAQNB
Industrial Grade (-40°C ~ +85°C)	DESML-16GD72SWASNA	DESML-32GD72SWADNA	DESML-64GD72SWAQNA	DESML-A28D72SWAQNA
	DESML-16GD72SWASNB	DESML-32GD72SWADNB	DESML-64GD72SWAQNB	DESML-A28D72SWAQNB

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

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