

Datasheet

# SATADOM-SV 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-SV 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).

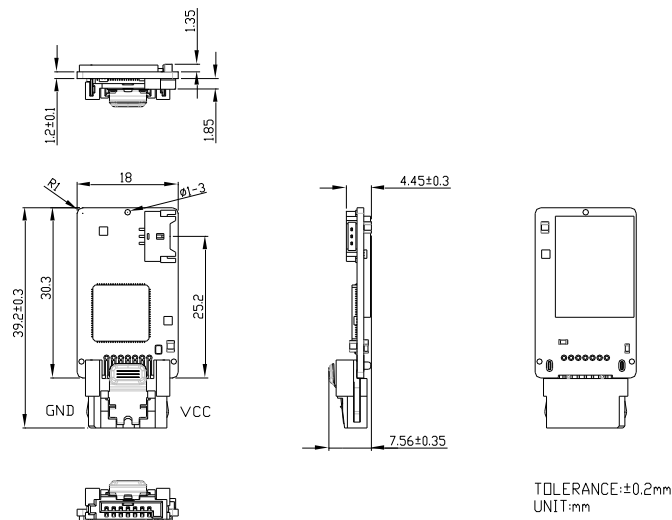
# SATADOM-SV

## 3ME2 series

Contact us for more information  
about the SATADOM-SV 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



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### Specifications

|                               |                                                                                                                 |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Interface                     | SATA III                                                                                                        |
| Flash Type                    | MLC                                                                                                             |
| Capacity                      | 16GB~128GB                                                                                                      |
| Max. Channels                 | 2                                                                                                               |
| Sequential R/W (MB/sec, max.) | 340 / 160                                                                                                       |
| Max. Power Consumption        | 0.8W (5V x 166mA )                                                                                              |
| Thermal Sensor                | √                                                                                                               |
| External DRAM buffer          | -                                                                                                               |
| H/W Write Protect             | -                                                                                                               |
| ATA Security                  | √                                                                                                               |
| S.M.A.R.T.                    | √                                                                                                               |
| Dimension (WxLxH)             | 18 x 39.2 x 7.56                                                                                                |
| Environment                   | Vibration: 20G @7~2000Hz<br>Shock: 1500G @ 0.5ms<br>Storage Temperature: -55°C ~ +95°C<br>MTBF: 3 million hours |

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### Ordering Information

| Operation Temp.                     | 16GB               | 32GB               | 64GB               | 128GB              |
|-------------------------------------|--------------------|--------------------|--------------------|--------------------|
| Standard Grade<br>(0°C ~ +70°C)     | DESSV-16GD72SCASNA | DESSV-32GD72SCADNA | DESSV-64GD72SCADNA | DESSV-A28D72BCADCA |
|                                     | DESSV-16GD72SCASNB | DESSV-32GD72SCADNB | DESSV-64GD72SCADNB | DESSV-A28D72BCADCB |
| Industrial Grade<br>(-40°C ~ +85°C) | DESSV-16GD72SWASNA | DESSV-32GD72SWADNA | DESSV-64GD72SWADNA | DESSV-A28D72BWADCA |
|                                     | DESSV-16GD72SWASNB | DESSV-32GD72SWADNB | DESSV-64GD72SWADNB | DESSV-A28D72BWADCB |

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

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[www.innodisk.com](http://www.innodisk.com)

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