Datasheet

SATADOM-ML
3IE3 V2 series

- iSLC technology

- 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 3IE3 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.
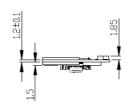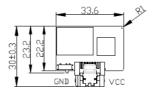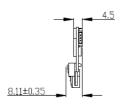
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SATADOM-ML
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Diagram

UNIT:mm
TOLERANCE:±0.20mm

Specifications

Interface	SATA III
Flash Type	iSLC
Capacity	16GB~128GB
Max. Channels	4
Sequential R/W (MB/sec, max.)	400 / 200
Max. Power Consumption	1.3W (5V x 248mA)
Thermal Sensor	WT only
External DRAM buffer	-
H/W Write Protect	√
ATA Security	√
S.M.A.R.T.	√
Dimension (WxLxH)	30 X 33.6 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.	16GB	32GB	64GB	128GB
Standard Grade (0°C ~ +70°C)	DHSML-16GD08BCADC*	DHSML-32GD08BCAQC*	DHSML-64GD08BCAQC*	DHSML-64GD08BCAQC*
Industrial Grade (-40°C ~ +85°C)	DHSML-16GD08BWADC*	DHSML-32GD08BWAQC*	DHSML-64GD08BWAQC*	DHSML-64GD08BWAQC*

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

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