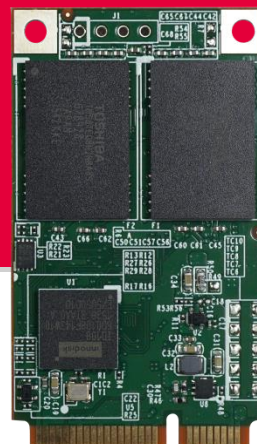


Datasheet

mSATA

3SE3 series

- SATA 6.0 Gb/s interface
- iSMART disk health monitoring
- Intelligent error recovery system
- Excellent data transfer speed
- Zero mechanical interference
- Anti-vibration mechanical design
- JEDEC standard MO-300 dimension



Introduction

Innodisk mSATA 3SE3 is designed with mSATA form factor by MO-300/MO-300B which established by JEDEC, and support SATA III standard (6.0 Gb/s) with excellent performance. Regarding of mechanical interference, Innodisk mSATA 3SE3 absolutely replaces the traditional hard disk and makes personal computer, in any field, smaller and easier.

Innodisk mSATA 3SE3 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.

mSATA 3SE3 series

Contact us for more
information about the
mSATA 3SE3.

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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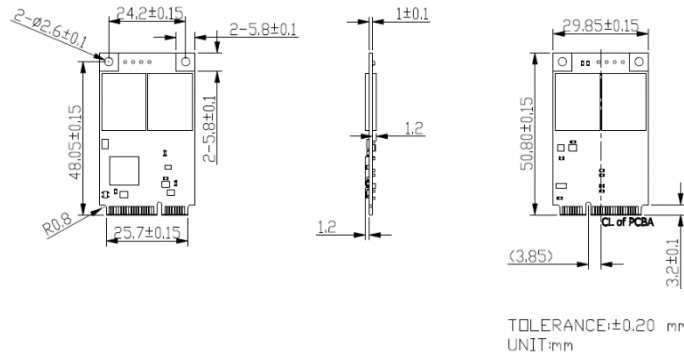
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20160920

Diagram



Specifications

Interface	SATA III
Flash Type	SLC
Capacity	04GB~128GB
Max. Channels	4
Sequential R/W (MB/sec, max.)	385/225
Max. Power Consumption	0.5 W (3.3V x 180 mA)
Thermal Sensor	ST- Optional /WT- Default
TRIM	✓
External DRAM buffer	-
H/W Write Protect	-
ATA Security	✓
S.M.A.R.T.	✓
Dimension (WxLxH)	29.8 X 50.8 X 3.4 mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours

Ordering Information

Operation Temp.	04GB	08GB	16GB	32GB	64GB	128GB
Standard Grade (0°C ~ +70°C)	DEMSR-04GD09AC1SB	DEMSR-08GD09AC1DB	DEMSR-16GD08AC1QB	DEMSR-32GD08SCAQB	DEMSR-64GD08SCAQB	DEMSR-A28D08SCAQB
Industrial Grade (-40°C ~ +85°C)	DEMSR-04GD09AW1SB	DEMSR-08GD09AW1DB	DEMSR-16GD08AW1QB	DEMSR-32GD08SWAQB	DEMSR-64GD08SWAQB	DEMSR-A28D08SWAQB

Operation Temp.	04GB	08GB	16GB
Standard Grade (0°C ~ +70°C)	DEMSR-04GD08SCASB	DEMSR-08GD08SCADB	DEMSR-16GD08SCAQB
Industrial Grade (-40°C ~ +85°C)	DEMSR-04GD08SWASB	DEMSR-08GD08SWADB	DEMSR-16GD08SWAQB

With 24nm NAND

With 32nm NAND

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