

Datasheet

mSATA 3SE-P SERIES

- SATA 6Gb/S interface
- iSMART disk health monitoring
- Intelligent error recovery system
- Excellent data transfer speed
- Great I.O.P.S for best system reaction
- Build-in Dram buffer
- Zero mechanical interference
- Anti-vibration mechanical design
- JEDEC standard MO-300 dimension



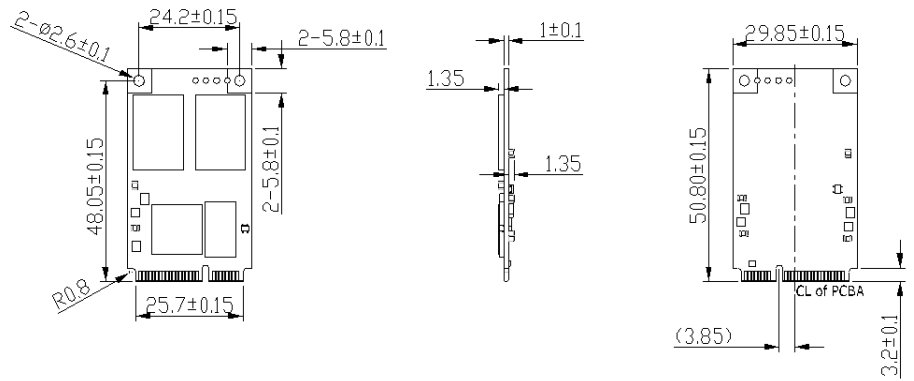
Introduction

Innodisk mSATA 3SE-P is designed as the standard Mini PCIe form factor with SATA interface, and supports SATA III standard (6.0Gb/s) with excellent performance. The form factor refers to the MO-300 specification which established by JEDEC. Regarding of mechanical interference, Innodisk mSATA 3SE-P absolutely replaces the traditional hard disk and makes personal computer, in any field, smaller and easier.

Innodisk mSATA 3SE-P 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 3SE-P series

Diagram



TOLERANCE:±0.20 mm
UNIT:mm

Specifications

Interface	SATA III
Flash Type	SLC
Capacity	4GB~64GB
Max. Channels	4
Sequential R/W (MB/sec, max.)	470 / 250
Max. Power Consumption	1.2 W (3.3V x 360 mA)
Thermal Sensor	Optional
External DRAM Buffer	√
H/W Write Protect	-
ATA Security	√
S.M.A.R.T.	√
Dimension (WxLxH)	29.85 X 50.8 X 3.7 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.	4GB	8GB	16GB	32GB	64GB
Standard Grade (0°C ~ +70°C)	DEMSR-04GD67SCBDB	DEMSR-08GD67SCBQB	DEMSR-16GD67SCBQB	DEMSR-32GD67SCBQB	DEMSR-64GD67SCBQB
Industrial Grade (-40°C ~ +85°C)	DEMSR-04GD67SWBDB	DEMSR-08GD67SWBQB	DEMSR-16GD67SWBQB	DEMSR-32GD67SWBQB	DEMSR-64GD67SWBQB

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Distributore Autorizzato per l'Italia:

Contradata Milano S.r.l.

Via Solferino 12, 20900 Monza (MB) - Italy

Tel: (+39) 039-230.14.92 | Email: info@contradata.it



www.contradata.it