

Datasheet

M.2 (S42) 3ME2 series

- SATA 6Gb/s interface
- iSMART disk health monitoring
- Intelligent error recovery system
- Excellent data transfer speed
- Zero mechanical interference
- Anti-vibration mechanical design



Introduction

Innodisk M.2 (S42) 3ME2 is designed as the standard M.2 form factor with SATA interface, and supports SATA III standard (6.0Gb/s) with excellent performance. The form factor refers to the M.2(NGFF) specification which established by JEDEC. Regarding of mechanical interference, Innodisk M.2 (S42) 3ME2 absolutely replaces the traditional hard disk and makes personal computer, in any field, smaller and easier.

Innodisk M.2 (S42) 3ME2 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.

M.2 (S42)

3ME2 series

**Contact us for more information
about the M2 (S42) 3ME2.**

Innodisk is a service-driven provider of industrial embedded flash and DRAM storage products and technologies, with a focus on the cloud computing, industrial/embedded, and aerospace and defense industries.

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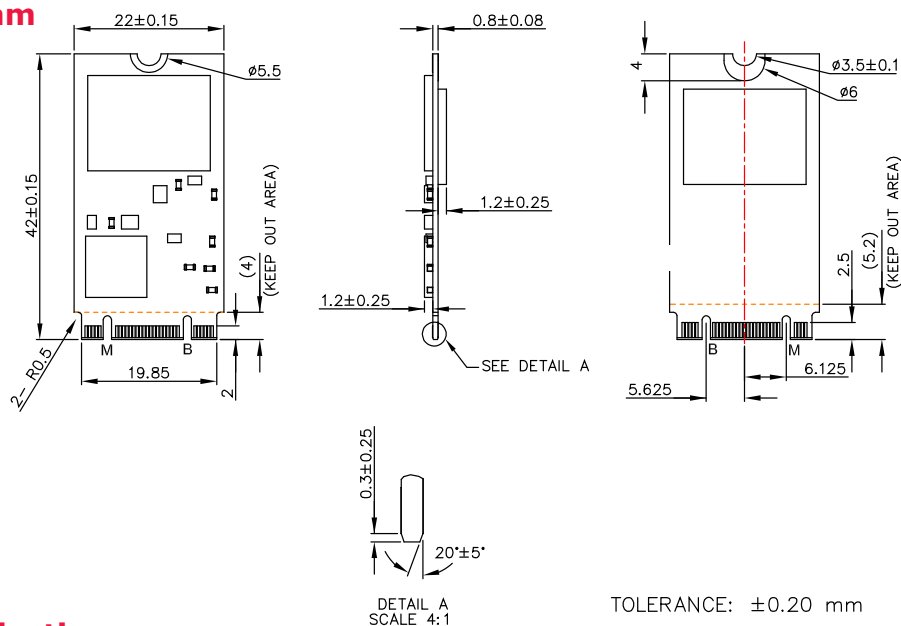
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Diagram



Specifications

Interface	SATA III
Flash Type	MLC
P/E cycle	3,000
Capacity	16GB~256GB
Max. Channels	4
Sequential R/W (MB/sec, max.)	500/80
Max. Power Consumption	1.09 W (3.3V x 330 mA)
Thermal Sensor	✓
External DRAM buffer	-
H/W Write Protect	-
ATA Security	✓
S.M.A.R.T.	✓
Dimension (WxLxH)	22.0 X 42.0 X 4.5 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	256GB
Standard Grade (0°C ~ +70°C)	DEM24- 16GD72SCASN	DEM24- 32GD72SCADN	DEM24- 64GD72SCAQN	DEM24- A28D72SCAQN	DEM24- B56D72SCAQN
Extended Grade (-40°C ~ +85°C)	DEM24- 16GD72SWASN	DEM24- 32GD72SWADN	DEM24- 64GD72SWAQN	DEM24- A28D72SWAQN	DEM24- B56D72SWAQN

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