

Datasheet

M.2 (S42) 3SE series

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



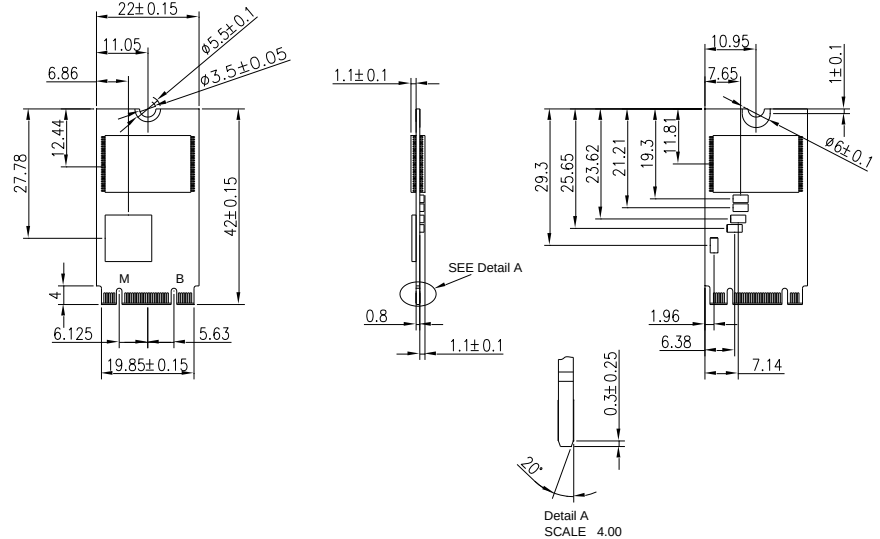
Introduction

Innodisk M.2 (S42) 3SE 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) 3SE absolutely replaces the traditional hard disk and makes personal computer, in any field, smaller and easier.

Innodisk M.2 (S42) 3SE 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.

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Diagram



Specifications

Interface	SATA III
Flash Type	SLC
Capacity	4GB~32GB
Max. Channels	2
Sequential R/W (MB/sec, max.)	290 / 130
Max. Power Consumption	1.2 W (3.3V x 366 mA)
Thermal Sensor	ST- optional/ WT- default
External DRAM buffer	-
H/W Write Protect	-
ATA Security	✓
S.M.A.R.T.	✓
Dimension (WxLxH)	22.0 X 42.0 X 3.5 mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours

Ordering Information

Operation Temp.	4GB	8GB	16GB	32GB
Standard Grade (0°C ~ +70°C)	DEM24-04GD07SCADB(P)	DEM24-08GD07SCADB(P)	DEM24-16GD07SCADB(P)	DEM24-32GD07SCADB(P)
industrial Grade (-40°C ~ +85°C)	DEM24-04GD07SWADB(P)	DEM24-08GD07SWADB(P)	DEM24-16GD07SWADB(P)	DEM24-32GD07SWADB(P)

*(P) with auxiliary capacitor

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

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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