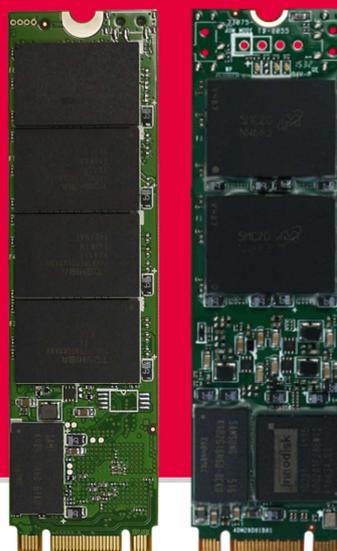


Datasheet

M.2 (S80) 3IE2-P series

- SATA III solution for industrial field
- iSMART disk health monitoring
- Intelligent error recovery system
- Excellent data transfer speed
- Zero mechanical interference
- Anti-vibration mechanical design



Introduction

Innodisk M.2 (S80) 3IE2-P 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 (S80) 3IE2-P absolutely replaces the traditional hard disk and makes personal computer, in any field, smaller and easier.

Innodisk M.2 (S80) 3IE2-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.

M.2 (S80) 3IE2-P series

**Contact us for more information
about the M2 (S80) 3IE2-P.**

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.

Specifications

Headquarters (Taiwan)

5F., No.237, Sec. 1, Datong Rd.,
Xizhi Dist., New Taipei City 221,
Taiwan (R.O.C.)

Tel: +886-2-7703-3000
Email: sales@innodisk.com

Branch Offices:

USA
usasales@innodisk.com

+1-510-770-9421

Europe
eusales@innodisk.com

+31-40-3045-400

Japan
jpsales@innodisk.com

+81-3-6667-0161

China
sales_cn@innodisk.com

+86-755-21673689

www.innodisk.com

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Interface	SATA III
Flash Type	iSLC
P/E cycle	20,000
Capacity	32GB~512GB
Max. Channels	4
Sequential R/W (MB/sec, max.)	560 / 450
Max. Power Consumption	1.4A (3.3V x 435mA)
Thermal Sensor	√
External DRAM buffer	√
H/W Write Protect	Optional, 512GB:N/A
ATA Security	√
S.M.A.R.T.	√
Dimension (WxLxH)	22.0 X 80.0 X 3.5 mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours

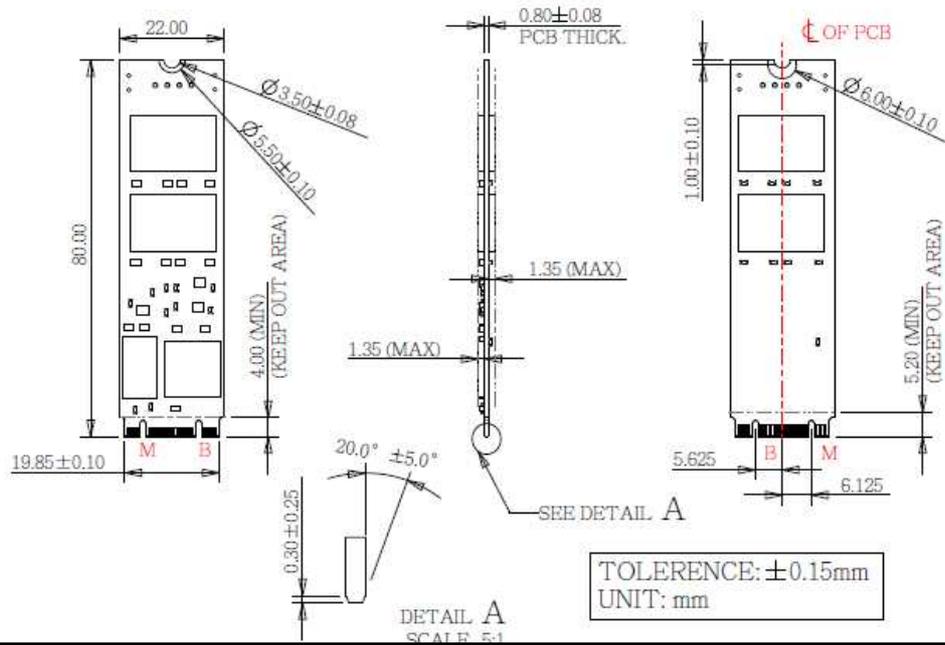
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Ordering Information

Operation Temp.	32GB	64GB	128GB	256GB	512GB
Standard Grade (0°C ~ +70°C)	DHM28- 32GD81BCBQC	DHM28- 64GD81BCBQC	DHM28- 128D81BCBQC	DHM28- B56D81BCBQC	DHM28- C12D81BCBQC
Industrial Grade (-40°C ~ +85°C)	DHM28- 32GD81BWBQC	DHM28- 64GD81BWBQC	DHM28- 128D81BWBQC	DHM28- B56D81BWBQC	DHM28- C12D81BWBQC

Diagram

152 ball BGA type (32GB-256GB)



132 ball BGA type (512GB)

