

Datasheet

# M.2 (P42) 3ME2 series

- PCIe Gen. III x2, NVMe 1.3
- Excellent data transfer speed
- Zero mechanical interference
- LDPC ECC engine supported.
- End-to-end Data Path Protection



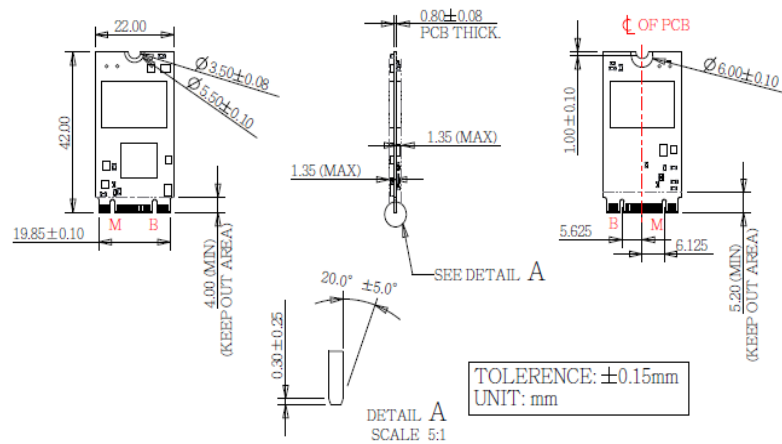
## Introduction

Innodisk M.2 (P42) 3ME2 is an NVM Express DRAM-less SSD designed as the standard M.2 form factor with PCIe interface and MLC NAND Flash. M.2 (P42)3ME2 supports PCIe Gen III x2, and it is compliant with NVM 1.3 providing excellent performance. Moreover, it adopts MLC NAND Flash providing high endurance and reliability. With sophisticated error detection and correction (ECC) functions, the module can ensure full End-to-end Data Path Protection that secures the data transmission between host system and NAND Flash.

Innodisk M.2 (P42) 3ME2 is integrated with Marvell controller which provide both low power consumption and efficient heat dissipation, making the SSD optimal for space-constrained IPCs and server boot-up applications.

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## Diagram



Contact us for more information about the M2 (P42) 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.

### Headquarters (Taiwan)

5F., No. 237, Sec. 1, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan  
Tel: +886-2-7703-3000  
Email: sales@innodisk.com

### Branch Offices:

USA  
[usasales@innodisk.com](mailto:usasales@innodisk.com)  
+1-510-770-9421  
Europe  
[eusales@innodisk.com](mailto:eusales@innodisk.com)  
+31-40-3045-400  
Japan  
[jpsales@innodisk.com](mailto:jpsales@innodisk.com)  
+81-3-6667-0161  
China  
[sales\\_cn@innodisk.com](mailto:sales_cn@innodisk.com)  
+86-755-21673689  
[www.innodisk.com](http://www.innodisk.com)

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## Specifications

Interface	PCIe Gen. III x2
Flash Type	MLC
P/E cycle	3,000
Capacity	32GB~256GB
Max. Channels	4
Sequential R/W (MB/sec, max.)	1300/340
Max. Power Consumption	2.74W(3.3Vx830mA)
Thermal Sensor	√
External DRAM buffer	-
H/W Write Protect	-
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: 3,000,000

## Ordering Information

Operation Temp.	32GB	64GB	128GB	256GB
Standard Grade (0°C ~ +70°C)	DEM24-32GM61BCBDC	DEM24-64GM61BCBQC	DEM24-A28M61BCBQC	DEM24-B56M61BCBQC
Industrial Grade (-40°C ~ +85°C)	DEM24-32GM61BWBDC	DEM24-64GM61BWBQC	DEM24-A28M61BWBQC	DEM24-B56M61BWBQC