

Datasheet

M.2 (P80) 3IE2 series

- PCIe Gen. III x2, NVMe 1.2
- Excellent data transfer speed
- Zero mechanical interference
- Anti-vibration mechanical design
- LDPC ECC engine supported.
- End-to-end Data Path Protection
- iCell supported



Introduction

Innodisk M.2 (P80) 3IE2 is an NVM Express DRAM-less SSD designed as the standard M.2 2280 form factor with PCIe interface. M.2 (P80)3IE2 supports PCIe Gen III x2, and it is compliant with NVMe 1.2 providing excellent performance. In addition, iSLC technology improves the performance, through the use of flash management algorithms, iSLC improves SSD endurance up to 20,000 times, increasing lifespans up to 6 times longer than MLC-based solutions.

Innodisk M.2 (P80) 3IE2 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.

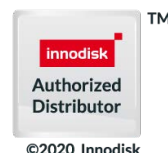
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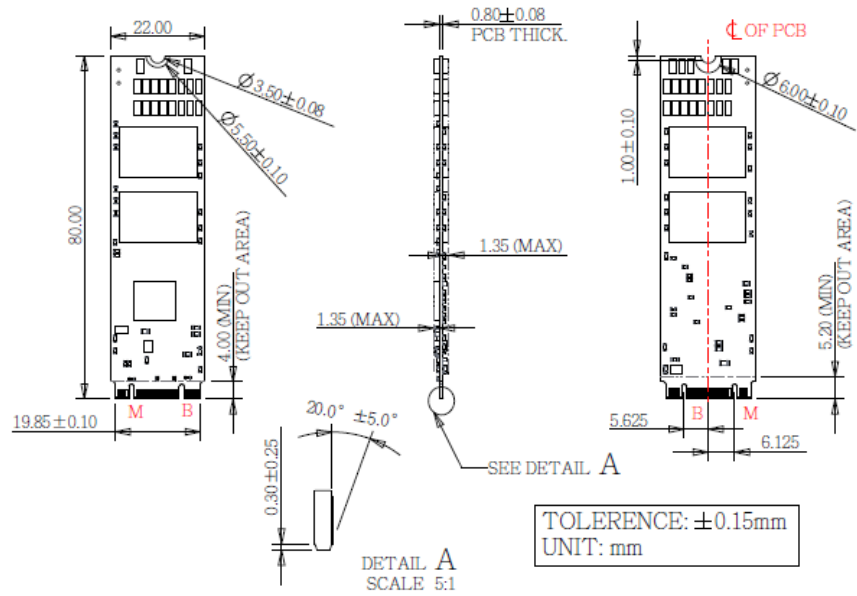


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Diagram



Interface	PCIe Gen. III x2
Flash Type	iSLC
P/E cycle	20,000
Capacity	32GB~256GB
Max. Channels	4
Sequential R/W (MB/sec, max.)	1350/680
Max. Power Consumption	2.87W(3.3x871mA)
Thermal Sensor	√
External DRAM buffer	-
H/W Write Protect	Optional
iCell	Optional
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: 3,000,000 hours

Ordering Information

Operation Temp.	32GB	64GB	128GB	256GB
Standard Grade (0°C ~ +70°C)	DHM28-32GM61BCADC	DHM28-64GM61BCAQC	DHM28-A28M61BCAQC	DHM28-B56M61BCAQC
Industrial Grade (-40°C ~ +85°C)	DHM28-32GM61BWADC	DHM28-64GM61BWAQC	DHM28-A28M61BWAQC	DHM28-B56M61BWAQC

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