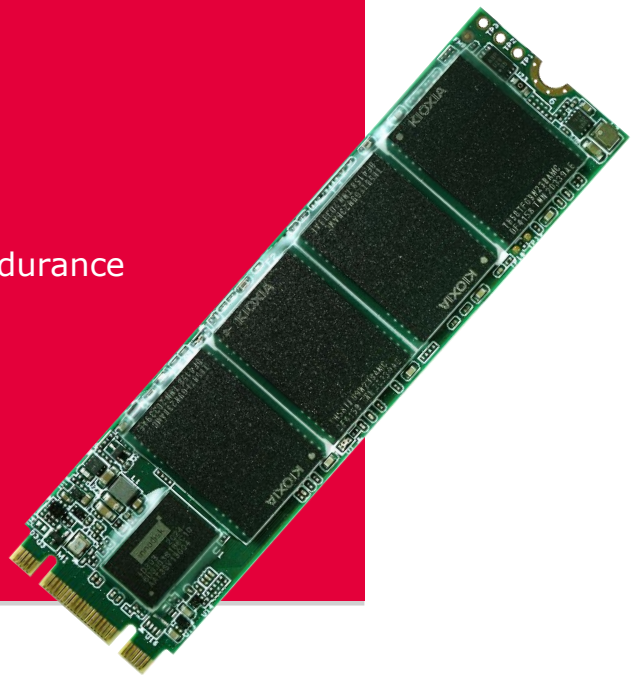


Datasheet

# M.2 (P80) 3IE6 series

- PCIe Gen. III x2, NVMe 1.3
- DRAM-less Solution
- Less Controller Heat
- Anti-Vibration Mechanical Design
- iSLC Mode for Excellent Performance & Endurance
- LDPC ECC Engine Supported.
- iPowerGuard Protection



## Introduction

Innodisk M.2 (P80) 3IE6 is a NVM Express DRAM-less SSD designed with PCIe interface and industrial 3D TLC NAND Flash. M.2 (P80) 3IE6 supports PCIe Gen III x2 and it is compliant with NVM 1.3. With iSLC mode enabled, 3IE6 provides excellent sustaining performance and outstanding endurance. 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. In addition, with embedded AES-256 bit engine, your data can be further secured.

# M.2 (P80)

## 3IE6 series

Contact us for more information about the M2 (P80) 3IE6.

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)

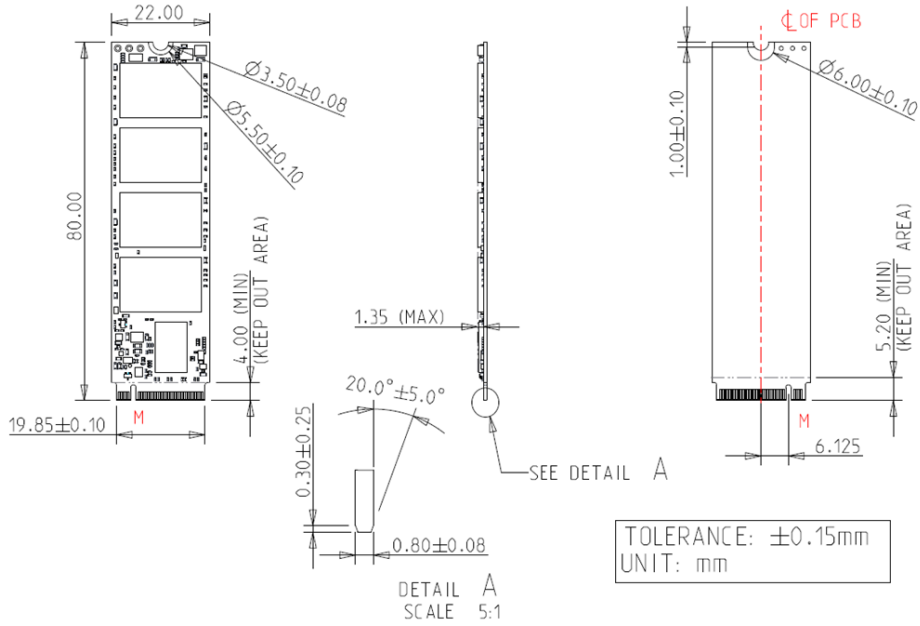
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Interface	PCIe Gen. III x2
Flash Type	3D TLC
P/E cycle	30,000
Capacity	20GB~320GB
Max. Channels	4
Sequential R/W (MB/s, Max)	1650/1,500
Sustained Sequential Write (MB/s, Max, Room Temperature)	1,100
Max. Power Consumption (RMS)	5W
Thermal Sensor	√
External DRAM buffer	NA
H/W Write Protect	NA
iCell	NA
Dimension (WxLxH)	22.0 X 80.0 X 1.35 mm (Without Heat-Dissipating Copper Foil ) 22.0 X 80.0 X 1.95 mm (With Heat-Dissipating Copper Foil. Default setting for Industrial Grade PNs.)
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Working Temperature: -40°C ~ +85°C MTBF: 3 million hours

### Ordering Information

Operation Temp.	20GB	40GB	80GB	160GB	320GB
Standard Grade (0°C ~ +70°C)	DHM28-20GDD1ECCDF	DHM28-40GDD1ECCQF	DHM28-80GDD1ECCQF	DHM28-A60DD1ECCQF	DHM28-D2GDD1ECCQF
Industrial Grade (-40°C ~ +85°C)	DHM28-20GDD1EWCDF	DHM28-40GDD1EWQCF	DHM28-80GDD1EWQCF	DHM28-A60DD1EWQCF	DHM28-D2GDD1EWQCF