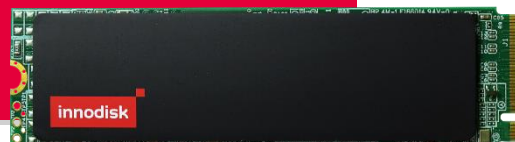


Datasheet

M.2 (P80) 4TG2-P series

- PCIe Gen. 4x4, NVMe 1.4
- Excellent data transfer speed
- Stable sustained performance
- Heat-spreading design
- LDPC ECC engine supported.
- Thermal Throttling management
- 256-bit AES hardware-based encryption
- Support TCG Opal Function (Optional)



Introduction

Innodisk M.2 (P80) 4TG2-P is an NVM Express SSD designed as the standard M.2 form factor with PCIe interface and 3D TLC NAND Flash. M.2 (P80) 4TG2-P supports PCIe Gen. 4x4, and it is compliant with NVMe 1.4 providing excellent performance. M.2 (P80) 4TG2-P with heat-spreading design dissipate heat generating from IC making SSD perform more steady. M.2 (P80) 4TG2-P has Die RAID protection to reduce bad blocks happening and optimize data integrity.

Innodisk M.2 (P80) 4TG2-P provides ultra-speed and high IOPS and offers maximum capacity up to 4TB, making the SSD optimal for server and heavy data workload applications.

M.2 (P80) 4TG2-P series

Contact us for more information
about the M.2 (P80) 4TG2-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.

Diagram(ST)

Headquarters (Taiwan)

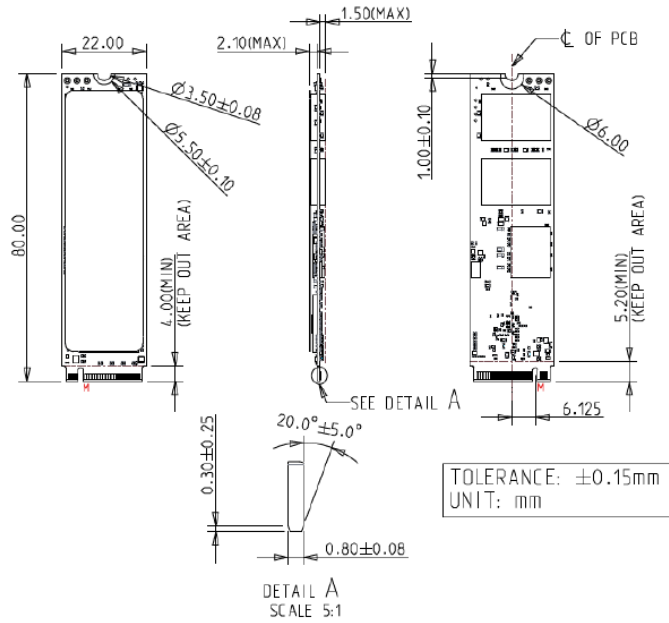
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Specifications

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| | |
|-------------------------------|---|
| Interface | PCIe Gen. 4x4 |
| Flash Type | 3D TLC |
| P/E cycle | 3,000 |
| Capacity | 512GB~4TB |
| Max. Channels | 8 |
| Sequential R/W (MB/sec, max.) | 6,450/4,250 |
| Max. Power Consumption | 10.2W |
| Thermal Sensor | √ |
| External DRAM buffer | √ |
| AES | √ |
| TCG Opal | √ (Optional) |
| H/W Write Protect | NA |
| Dimension (WxLxH) | ST with heat-spreading copper layer: 22.0 X 80.0 X 4.4 mm (Pure M.2: 22.0 X 80.0 X 3.8 mm) |
| Environment | Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -40°C ~ +85°C MTBF: 3 million hours |

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Ordering Information

| Operation Temp. | 512GB | 1TB | 2TB | 4TB |
|---------------------------------|--|--|--|--|
| Standard Grade (0°C ~ +70°C) | DGM28-C12DP1KCCEL DGM28-C12DP2KCCEL | DGM28-01TDP1KCCEL DGM28-01TDP2KCCEL | DGM28-02TDP1KCCEL DGM28-02TDP2KCCEL | DGM28-04TDP1KCCEQ DGM28-04TDP2KCCEQ |

For TCG OPAL function, the PN Code 10th~12th will be DP2.

