

Datasheet

U.2 SSD 4TG2-P series

- PCIe Gen 4x4, NVMe 1.4
- Excellent data transfer speed
- Heat-spreading design
- LDPC ECC engine supported.
- End-to-end Data Path Protection
- High capacity & ultra-speed
- iCell feature
- 256-bit AES hardware-based encryption
- Support TCG Opal Function (Optional)



Introduction

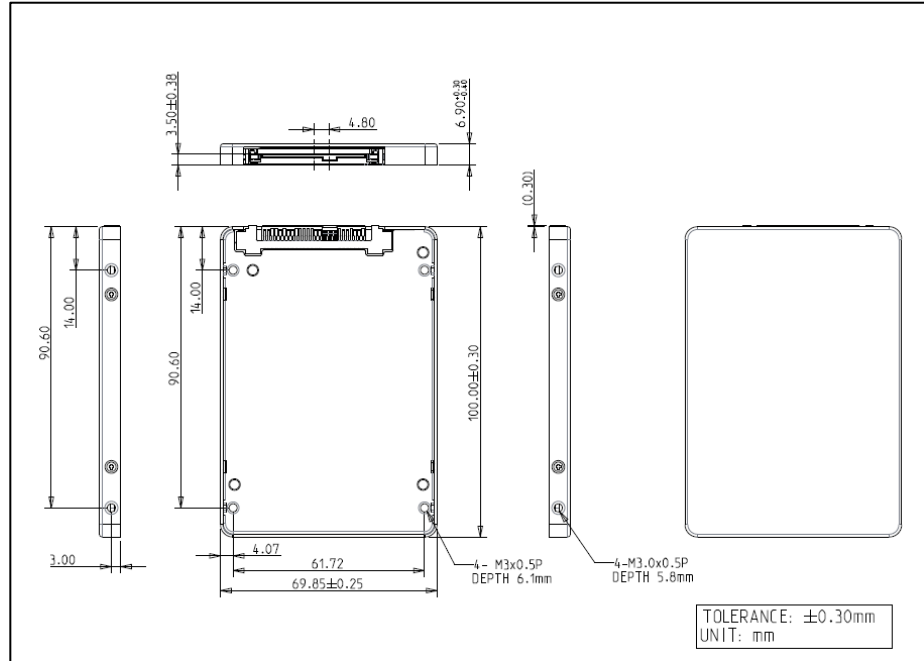
Innodisk U.2 SSD 4TG2-P is an NVM Express SSD designed as PCIe SFF-8639 module with PCIe interface and 3D TLC NAND Flash. U.2 SSD 4TG2-P supports PCIe Gen 4x4, and it is compliant with NVMe 1.4 providing excellent performance. With sophisticated error detection and correction (ECC) functions, the module can ensure full End-to-end Data Path Protection that secures the data transmission between host system and NAND Flash.

Innodisk U.2 SSD 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.

U.2 SSD

4TG2-P series

Diagram



Contact us for more information about the U.2 SSD 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.

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
+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

© 2024 Innodisk Corporation.
All right reserved. Specifications are subject to change without prior notice.

20240226

| | |
|-------------------------------|--|
| Interface | PCIe Gen 4 x4 |
| Flash Type | 3D TLC |
| P/E cycle | 3,000 |
| Capacity | 512GB~4TB |
| Max. Channels | 8 |
| Sequential R/W (MB/sec, max.) | 6,950/4,950 |
| Max. Power Consumption | 13.5W |
| Thermal Sensor | √ |
| External DRAM buffer | √ |
| TCG Opal | √ (Optional) |
| H/W Write Protect | NA |
| iCell | NA |
| Dimension (WxLxH) | 69.85 X 100.0 X 6.9 mm |
| Environment | Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Working Temperature: ST 0°C ~ +70°C, ; WT -40°C ~ +85°C Storage Temperature: -40°C ~ +85°C MTBF: 3 million hours |

Ordering Information

| Operation Temp. | 512GB | 1TB | 2TB | 4TB |
|-------------------------------------|--|--|--|--|
| Standard Grade (0°C ~ +70°C) | DGEU2-C12DP1KCBEPF DGEU2-C12DP2KCBEPF | DGEU2-01TDP1KCBEPF DGEU2-01TDP2KCBEPF | DGEU2-02TDP1KCBEPF DGEU2-02TDP2KCBEPF | DGEU2-04TDP1KCBEPF DGEU2-04TDP2KCBEPF |
| Industrial Grade (-40°C ~ +85°C) | DGEU2-C12DP1KWBEPF DGEU2-C12DP2KWBEPF | DGEU2-01TDP1KWBEPF DGEU2-01TDP2KWBEPF | DGEU2-02TDP1KWBEPF DGEU2-02TDP2KWBEPF | DGEU2-04TDP1KWBEPF DGEU2-04TDP2KWBEPF |

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

innodisk

www.innodisk.com