

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



Introduction

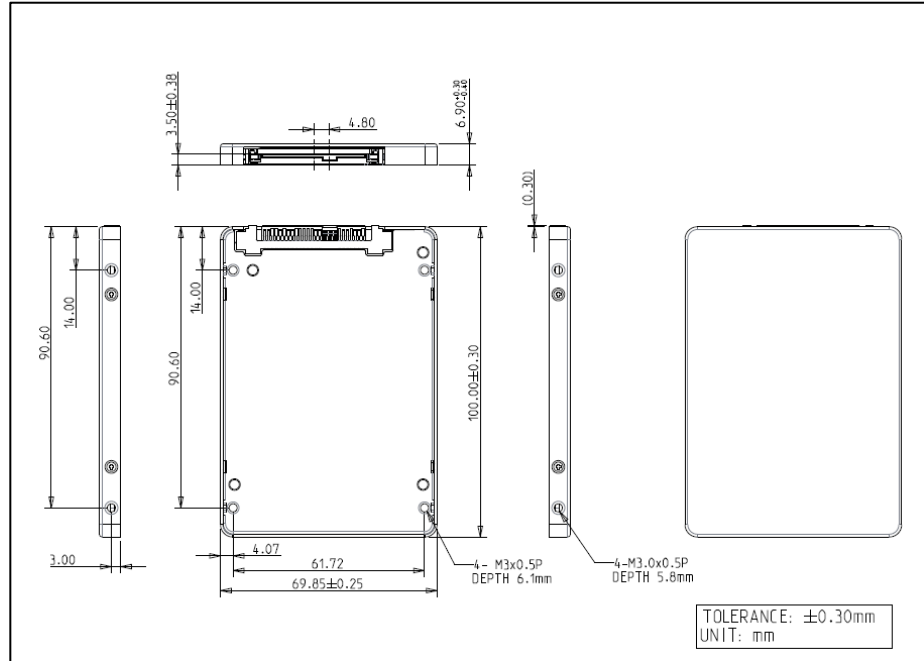
Innodisk U.2 SSD 4TG2-P is an NVM Express SSD designed as PCIe SFF-8639 module with PCIe interface and 3D TLC NAND Flash. U.2 SSD 4TG2-P supports PCIe Gen 4x4, and it is compliant with NVMe 1.4 providing excellent performance. With sophisticated error detection and correction (ECC) functions, the module 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 8TB, 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.

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|-------------------------------|--|
| Interface | PCIe Gen. 4 x4 |
| Flash Type | 3D TLC |
| P/E cycle | 3,000 |
| Capacity | 512GB~8TB |
| Max. Channels | 8 |
| Sequential R/W (MB/sec, max.) | 7150/6150 |
| Max. Power Consumption | 13.5W |
| Thermal Sensor | √ |
| External DRAM buffer | √ |
| H/W Write Protect | NA |
| iCell | NA |
| Dimension (WxLxH) | 100.0 X 69.85 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 | 8TB |
|-------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Standard Grade (0°C ~ +70°C) | DGEU2-C12DP1KCAEF | DGEU2-01TDP1KCAEF | DGEU2-02TDP1KCAEF | DGEU2-04TDP1KCAEF | DGEU2-08TDP1KCAEF |
| Industrial Grade (-40°C ~ +85°C) | DGEU2-C12DP1KWAEF | DGEU2-01TDP1KWAEF | DGEU2-02TDP1KWAEF | DGEU2-04TDP1KWAEF | DGEU2-08TDP1KWAEF |