

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

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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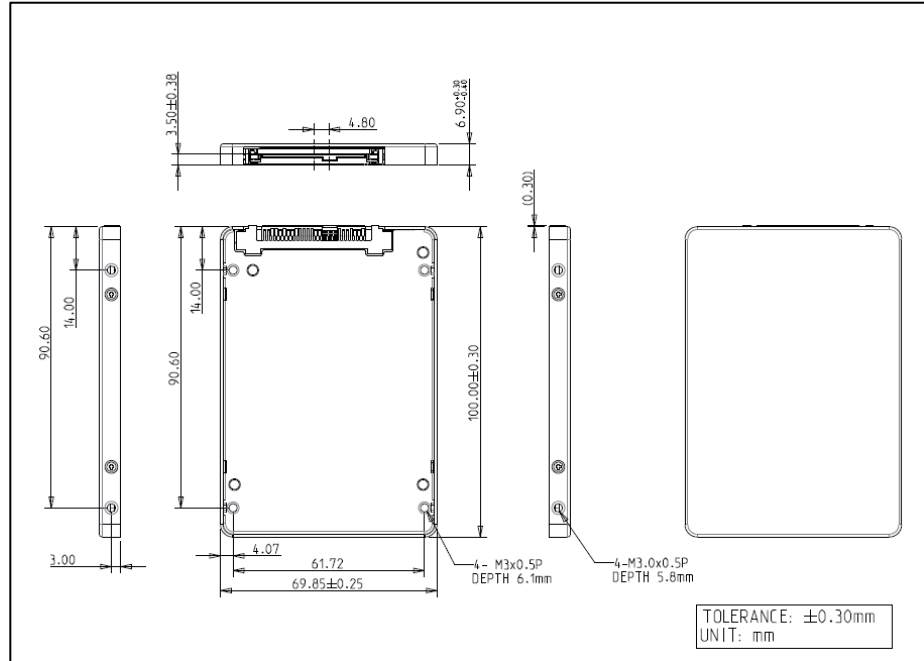
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Diagram



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)	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
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-C12DP1KWBEFP DGEU2-C12DP2KWBEFP	DGEU2-01TDP1KWBEFP DGEU2-01TDP2KWBEFP	DGEU2-02TDP1KWBEFP DGEU2-02TDP2KWBEFP	DGEU2-04TDP1KWBEFP DGEU2-04TDP2KWBEFP

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

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