

Datasheet

# U.2 SSD 3TG6-P series

- PCIe Gen. III x4, NVMe 1.3
- Excellent data transfer speed
- Heat-spreading design
- LDPC ECC engine supported.
- End-to-end Data Path Protection



## Introduction

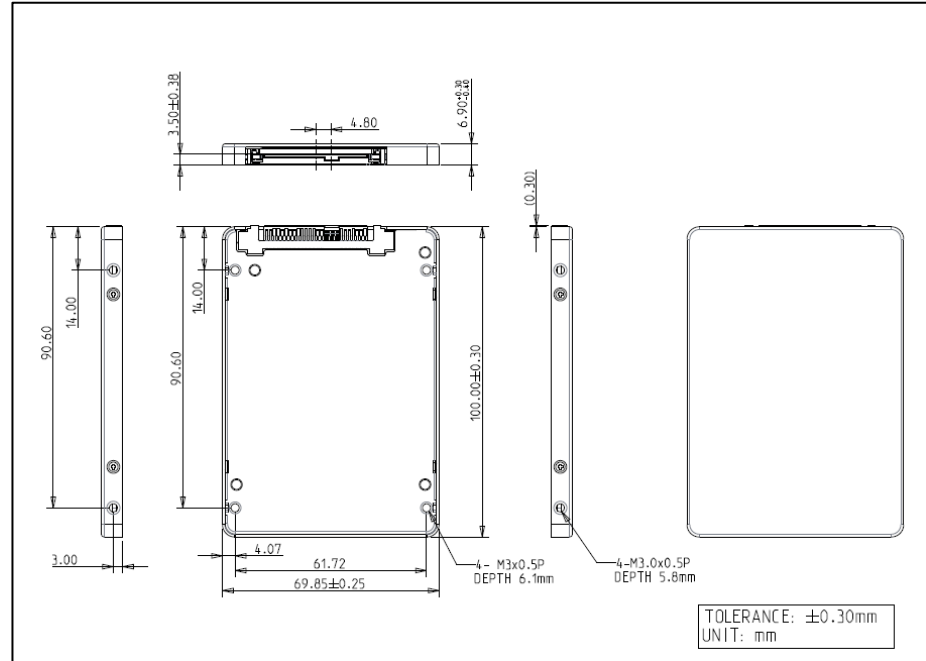
Innodisk U.2 SSD 3TG6-P is an NVM Express SSD designed as PCIe SFF-8639 module with PCIe interface and 3D TLC NAND Flash. U.2 SSD3TG6-P supports PCIe Gen III x4, and it is compliant with NVMe 1.3 providing excellent performance. With sophisticated error detection and correction (ECC) functions, the module can ensure full End-to-end Data Path Protection that secures the data transmission between host system and NAND Flash.

Innodisk U.2 SSD 3TG6-P provides ultra-speed and high IOPS and offers maximum capacity up to 2TB, making the SSD optimal for server and heavy data workload applications.

# U.2 SSD

## 3TG6-P series

### Diagram



Contact us for more information about the M2 (P80) 3TG6-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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20210802

Interface	PCIe Gen. III x4
Flash Type	3D TLC
P/E cycle	3,000
Capacity	128GB~2TB
Max. Channels	8
Sequential R/W (MB/sec, max.)	3100/2600
Max. Power Consumption	7.53W
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.	128GB	256GB	512GB	1TB	2TB
Standard Grade (0°C ~ +70°C)	DGEU2-A28DC1ECAQF	DGEU2-B56DC1ECAEF	DGEU2-C12DC1ECAEF	DGEU2-01TDC1ECAEF	DGEU2-02TDC1ECAEF
Industrial Grade (-40°C ~ +85°C)	DGEU2-A28DC1EWAQF	DGEU2-B56DC1EWAEF	DGEU2-C12DC1EWAEF	DGEU2-01TDC1EWAEF	DGEU2-02TDC1EWAEF