

Datasheet

E1.S 4TG2-P series

- PCIe Gen. 4x4, NVMe 1.4.
- PLP (iCell) technology for power loss protection.
- Stable sustained performance.
- LDPC ECC engine supported.
- Dynamic thermal management.



Introduction

Innodisk E1.S 4TG2-P is an NVMe Express SSD designed as the standard E1.S form factor with a PCIe interface and 3D TLC NAND Flash. E1.S 4TG2-P supports PCIe Gen. 4x4, and it is compliant with NVMe 1.4, providing excellent performance. E1.S 4TG2-P with a 15mm asymmetrical heatsink design dissipates heat generated from IC, making SSD perform more steadily. E1.S 4TG2-P has Die RAID protection to reduce bad blocks happening and optimize data integrity.

Innodisk E1.S 4TG2-P provides ultra-speed and high IOPS and offers a maximum capacity of up to 4TB, making the SSD optimal for server and heavy data workload applications.

E1.S 4TG2-P series

Contact us for more information about the E1.S 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 15mm enclosure

Headquarters (Taiwan)

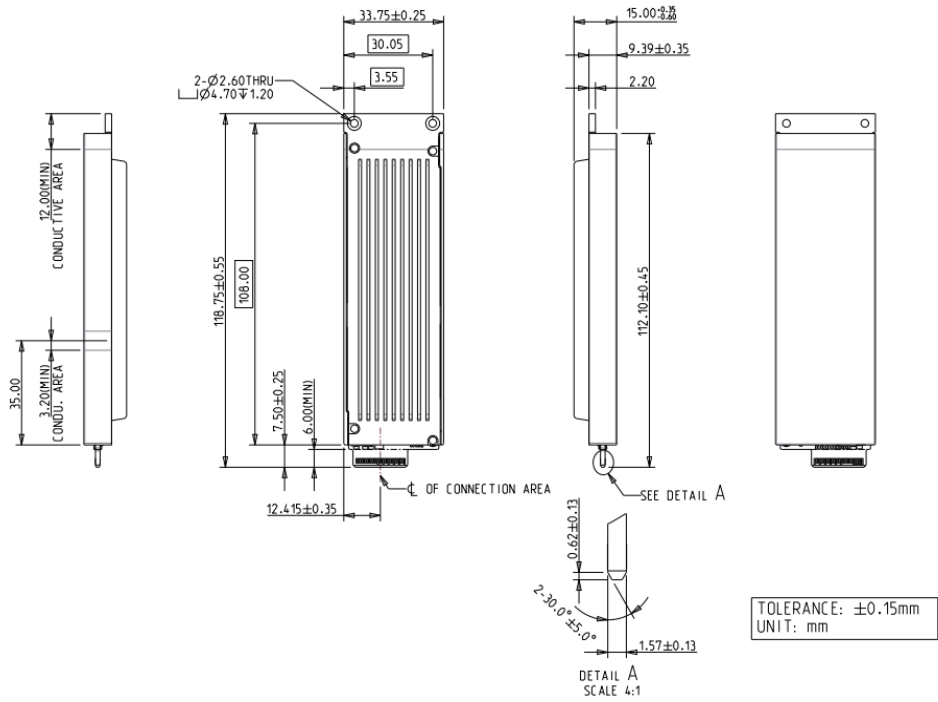
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Specifications

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Form Factor	E1.S
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.)	6,500/4,700
Max. Power Consumption	10.9W
Thermal Sensor	√
External DRAM buffer	√
H/W Write Protect	NA
Dimension (WxLxH)	15mm: 33.75 X 118.75 X 15 mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -40°C ~ +85°C MTBF: 3 million hours

Ordering Information

Operation Temp.	512GB	1TB	2TB	4TB
Standard Grade (0°C ~ +70°C)	DGE1S-C12DP1KCAEFPH1	DGE1S-01TDP2KCAEFPH1	DGE1S-02TDP2KCAEFPH1	DGE1S-04TDP2KCAEFPH1
Industrial Grade (-40°C ~ +85°C)	DGE1S-C12DP1KWAEFPH1	DGE1S-01TDP2KWAEFPH1	DGE1S-02TDP2KWAEFPH1	DGE1S-04TDP2KWAEFPH1

*Operation temperature based on temperature obtained from S.M.A.R.T.

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