

Datasheet

E1.S 4TG2-P series

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



Introduction

Innodisk E1.S 4TG2-P is an NVM Express SSD designed as the standard E1.S form factor with 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 heatsink design dissipates heat generated from IC, making SSD performs 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 maximum capacity up to 8TB, 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.

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
usales@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.

20240625

Diagram 5.9mm (512GB-4TB)

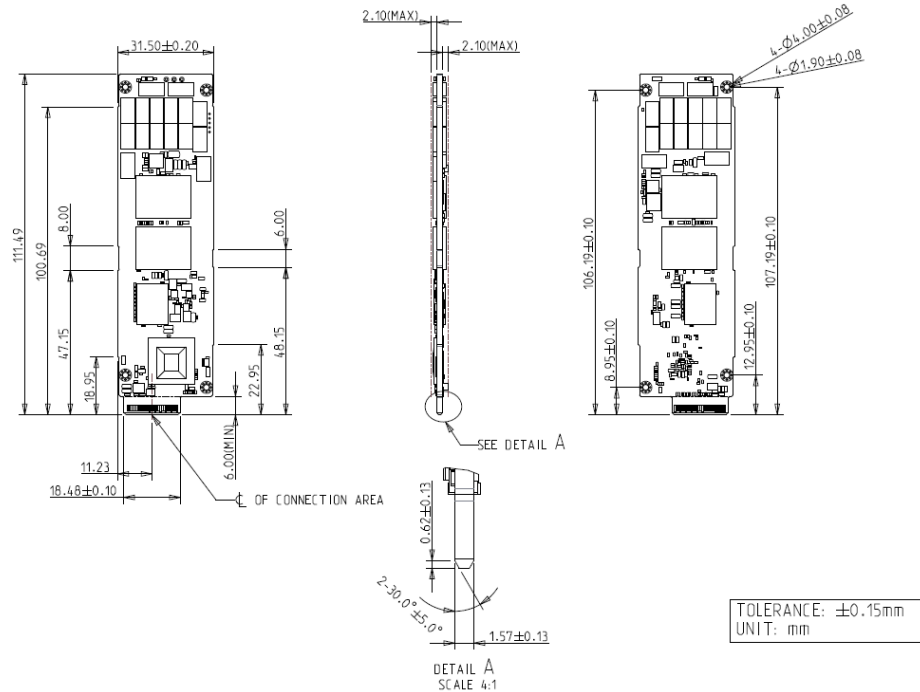
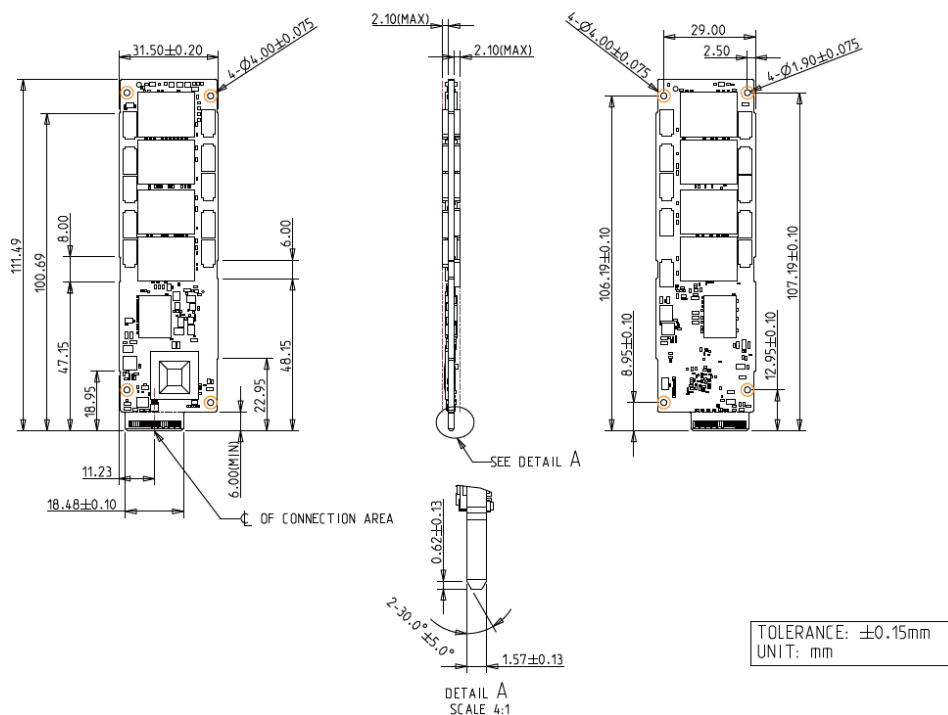


Diagram 5.9mm (8TB)



**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.

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.

20240625

Diagram 9.5mm enclosure

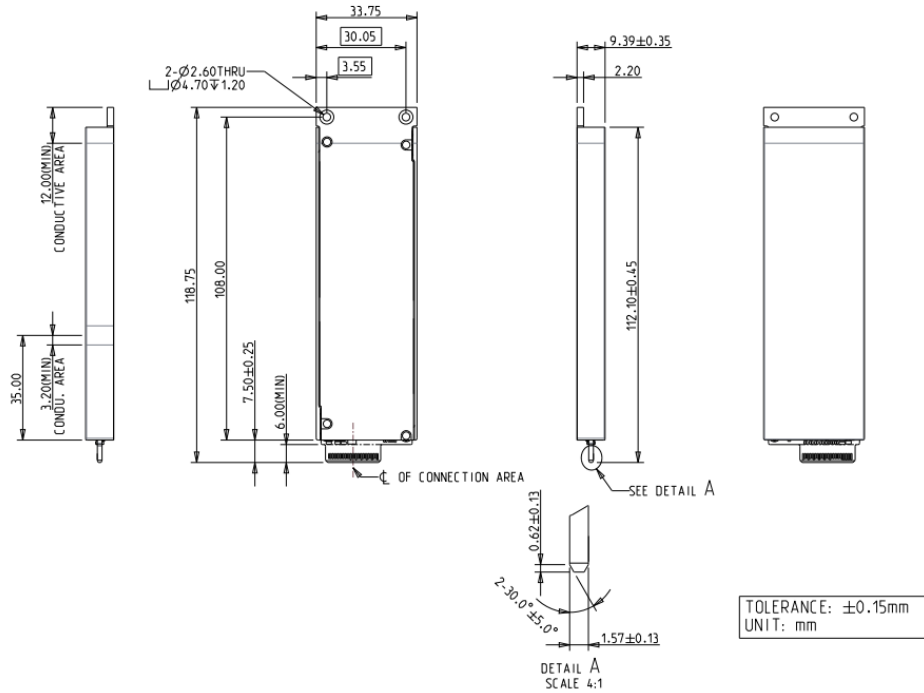
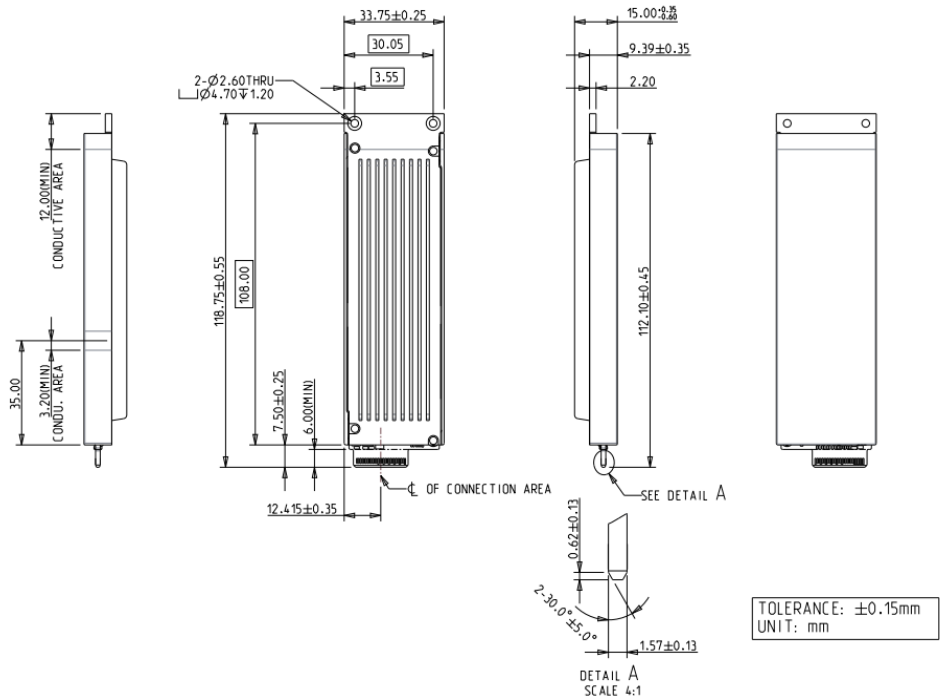


Diagram 15mm enclosure



Specifications

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.

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.

20240304

Interface	PCIe Gen. 4x4
Flash Type	3D TLC
P/E cycle	3,000
Capacity	512GB~8TB
Max. Channels	8
Sequential R/W (MB/sec, max.)	6,900/4,700
Max. Power Consumption	12W
Thermal Sensor	✓
External DRAM buffer	✓
TCG Opal	✓
H/W Write Protect	NA
Dimension (WxLxH)	5.9mm: 31.5 X 111.5 X 5.9 mm 9.5mm: 33.75 X 118.75 X 9.5 mm 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	8TB
Standard Grade (0°C ~ +70°C)	DGE1S-C12DP2KCAEFP%	DGE1S-01TDP2KCAEFP%	DGE1S-02TDP2KCAEFP%	DGE1S-04TDP2KCAEFP%	DGE1S-08TDP2KCBEP%
Industrial Grade (-40°C ~ +85°C)	DGE1S-C12DP2KWAEFP%	DGE1S-01TDP2KWAEFP%	DGE1S-02TDP2KWAEFP%	DGE1S-04TDP2KWAEFP%	DGE1S-08TDP2KWBEFP%

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

?: Non-existent=5.9mm; H=9.5mm enclosure; H1=15mm enclosure

E1.S 4TG2-P specifications are subject to change.

