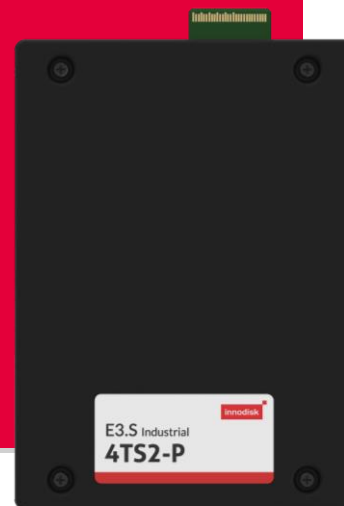


Datasheet

E3.S 4TS2-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 E3.S 4TS2-P is an NVM Express SSD designed as the standard E1.S form factor with PCIe interface and 3D TLC NAND Flash. E3.S 4TS2-P supports PCIe Gen. 4x4, and it is compliant with NVMe 1.4 providing excellent performance. E3.S 4TS2-P with heatsink design dissipates heat generated from IC, making SSD performs more steadily. E3.S 4TS2-P has Die RAID protection to reduce bad blocks happening and optimize data integrity.

Innodisk E3.S 4TS2-P provides ultra-speed and high IOPS and offers maximum capacity up to 12.8TB, making the SSD optimal for server and heavy data workload applications.

E3.S

4TS2-P series

Contact us for more information
about the E3.S 4TS2-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

Headquarters (Taiwan)

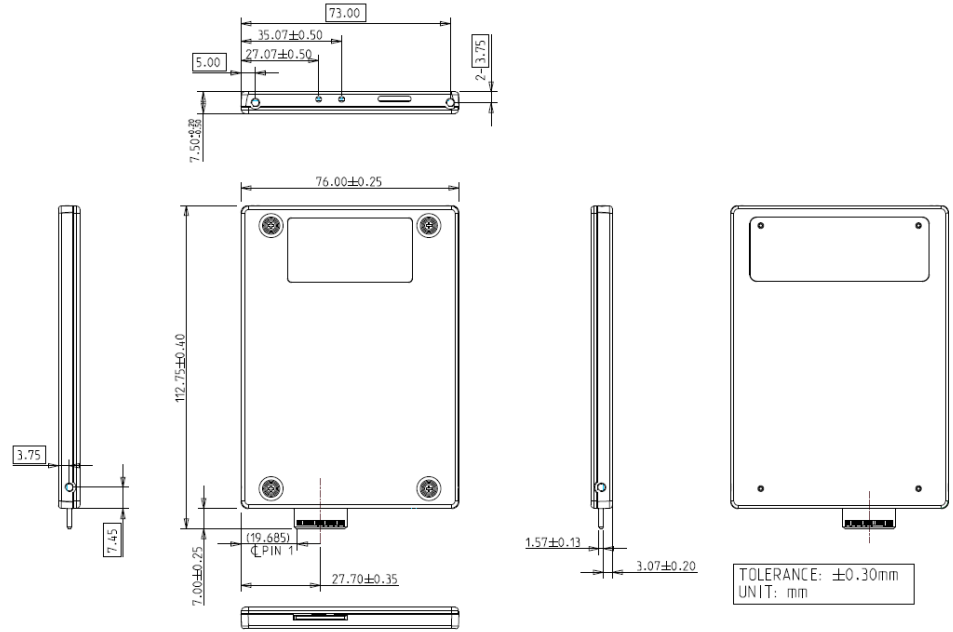
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20240304



Specifications

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20240304

Interface	PCIe Gen. 4x4
Flash Type	3D TLC
P/E cycle	3,000
Capacity	400GB~12.8TB
Max. Channels	8
Sequential R/W (MB/sec, max.)	6,000/3,500
Max. Power Consumption	TBD
Thermal Sensor	✓
External DRAM buffer	✓
TCG Opal	✓
H/W Write Protect	NA
Dimension (WxLxH)	76x112.75x7.5mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -40°C ~ +85°C MTBF: 3 million hours

Ordering Information

Operation Temp.	400GB	800GB	1.6TB	3.2TB	6.4TB	12.8TB
Standard Grade (0°C ~ +70°C)	DSE3S-400DP2KCAEFP	DSE3S-800DP2KCAEFP	DSE3S-1T6DP2KCAEFP	DSE3S-3T2DP2KCAEFP	DSE3S-6T4DP2KCAEFP	DSE3S-12TDP2KCAEFP
Industrial Grade (-40°C ~ +85°C)	DSE3S-400DP2KWAEFP	DSE3S-800DP2KWAEFP	DSE3S-1T6DP2KWAEFP	DSE3S-3T2DP2KWAEFP	DSE3S-6T4DP2KWAEFP	DSE3S-12TDP2KWAEFP

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

E3.S 4TS2-P specifications are subject to change.

