

Datasheet

U.2 SSD 4TS2-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
- 256-bit AES hardware-based encryption
- Support TCG Opal Function (Optional)



Introduction

Innodisk U.2 SSD 4TS2-P is an NVM Express SSD designed as PCIe SFF-8639 module with PCIe interface and 3D TLC NAND Flash. U.2 SSD 4TS2-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 4TS2-P provides ultra-speed and high IOPS, making the SSD optimal for server and heavy data workload applications.

Innodisk U.2 SSD 4TS2-P is designed with AES engine, which is built-in the controller. When controller receives the data package from host, AES engine encrypts the data package and save the encrypted data into NAND flash. Thus, unauthorized personal has no access to decrypt the data in NAND flash.

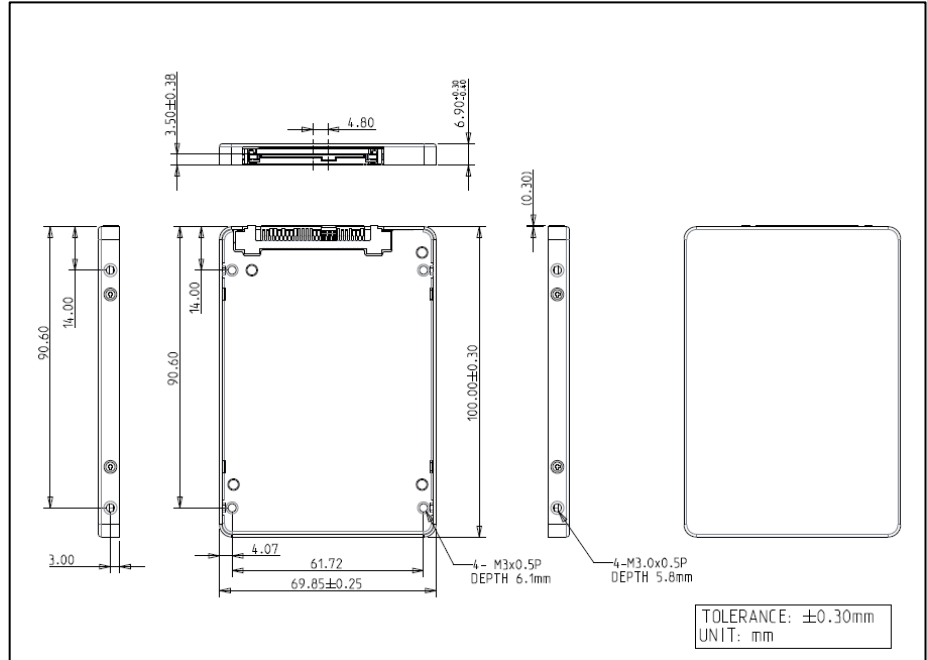
U.2 SSD

4TS2-P series

**Contact us for more information
about the U.2 SSD 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



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20240403

Specifications

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20240403

Interface	PCIe Gen 4 x4	
Flash Type	3D TLC	
P/E cycle	7,000	
DWPD	1	2
Capacity	240GB-7.68TB	200GB-6.4TB
Max. Channels	8	
Sequential R/W (MB/sec, max.)	6,450/4,950	
Max. Power Consumption	13.3W	
Thermal Sensor	√	
External DRAM buffer	√	
TCG Opal	√ (Optional)	
H/W Write Protect	NA	
iCell	NA	
Dimension (WxLxH)	69.85 X 100.0 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.	200GB	400GB	800GB	1.6TB	3.2TB	6.4TB
Standard Grade (0°C ~ +70°C)	DSEU2-200DP1NCBEF DSEU2-200DP2NCBEF	DSEU2-400DP1NCBEF DSEU2-400DP2NCBEF	DSEU2-800DP1NCBEF DSEU2-800DP2NCBEF	DSEU2-1T6DP1NCBEF DSEU2-1T6DP2NCBEF	DSEU2-3T2DP1NCAEF DSEU2-3T2DP2NCAEF	DSEU2-6T4DP1NCCEF DSEU2-6T4DP2NCCEF
	240GB	480GB	960GB	1.92TB	3.84TB	7.68TB
	DSEU2-240DP1NCBEF DSEU2-240DP2NCBEF	DSEU2-480DP1NCBEF DSEU2-480DP2NCBEF	DSEU2-960DP1NCBEF DSEU2-960DP2NCBEF	DSEU2-1T9DP1NCBEF DSEU2-1T9DP2NCBEF	DSEU2-3T8DP1NCAEF DSEU2-3T8DP2NCAEF	DSEU2-7T6DP1NCCEF DSEU2-7T6DP2NCCEF

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

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