

Datasheet

2.5" SATA SSD 3TR6-P_AES series

- 2.5" SATA III solution for industrial field
- High IOPS
- iSMART disk health monitoring
- AES-256 encryption
- End to end data path protection
- iData Guard for abnormal power failure
- iCell technology for data protection
- iPower Guard for protecting unstable start up and shut down



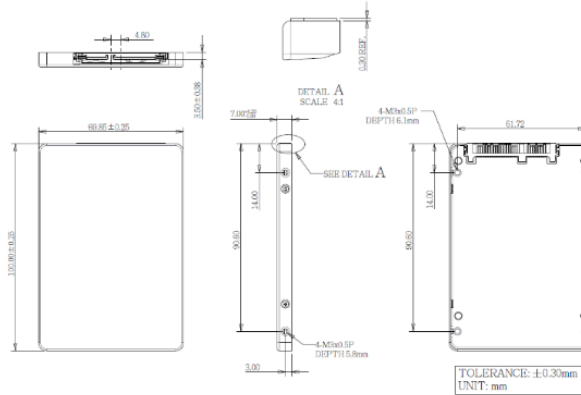
Introduction

Innodisk 2.5" SATA SSD 3TR6-P is the newest member of InnoRobust product line, which adopts industrial 3D TLC NAND. 3TR6-P aims to provide high performance, high capacity flash memory Solid State Drive (SSD) that electrically complies with Serial ATA 3 (SATA3) standard and beyond. 3TR6-P models are designed with advanced firmware features such as Quick Erase, Security Erase, Destroy and AES 256 bit encryption capability. As for hardware, 3TR6-P is equipped with iPowerGuard, iCell and MIL-810G level mechanical design. 3TR6-P is developed with Innodisk owned technical knowhow to ensure the data integrity and highest levels of reliability.

2.5" SATA SSD

3TR6-P_AES series

Drawing



Contact us for more information about the 2.5" SATA SSD 3TR6-P

Innodisk is a service-driven provider of industrial embedded flash and DRAM storage products and technologies, with a focus on the industrial/embedded, aerospace and defense, and cloud computing industries.

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Interface	SATA III
Flash Type	3D TLC
Capacity	128GB~2TB
Max. Channels	4
Sequential R/W (MB/sec, max.)*	500 / 420 MB/s
4KB Random (QD32) R/W (IOPS)*	67000 / 60000
Max. Power Consumption	3.6W
Thermal Sensor	✓
External DRAM Buffer	✓
AES encryption	✓
ATA Security	✓
S.M.A.R.T.	✓
Dimension (WxLxH)	69.8 X 100.0 X 6.8 mm ³
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours
* Sequential performance based on CystalDiskMark 5.1.2 with file size 100MB	

Ordering Information (Please refer to TPS for detail)

Operation Temp.	128GB	256GB	512GB	1TB	2TB
Standard Grade (0°C ~ +70°C)	DRS25-A28M72EC1QFP	DRS25-B56M72EC1QFP	DRS25-C12M72EC1QFP	DRS25-01TM72EC1QFP	DRS25-02TM72ECAQFP
Industrial Grade (-40°C ~ +85°C)	DRS25-A28M72EW1QFP	DRS25-B56M72EW1QFP	DRS25-C12M72EW1QFP	DRS25-01TM72EW1QFP	DRS25-02TM72EWAQFP