

Datasheet

2.5" SATA SSD

3TS6-P series

- 2.5" SATA III solution for Edge Server 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 3TS6-P is SATA III 6Gb/s solid state disk, which delivers excellent performance, especially in random data transfer rate, and offers reliability making it the ideal solution for a variety of applications, including embedded system, industrial computing, and enterprise field. 3TS6-P 2.5" SSD not only performs unmatched performance, but also designed with Innodisk owned technical knowhow to ensure the data integrity and highest levels of reliability.

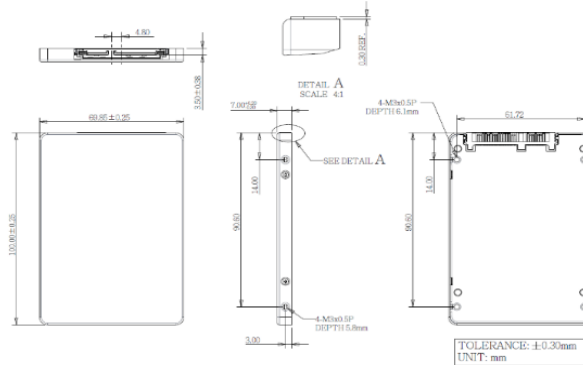
2.5" SATA SSD

3TS6-P series

Drawing

Contact us for more information
about the 2.5" SATA SSD 3TS6-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.



Specifications

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|--------------------------------|---|
| Interface | SATA III |
| Flash Type | 3D TLC |
| Capacity | 200GB~3.2TB |
| Max. Channels | 4 |
| Sequential R/W (MB/sec, max.)* | 510 / 460 MB/s |
| 4KB Random (QD32) R/W (IOPS)* | 69000 / 57000 |
| Max. Power Consumption | 4.1 W |
| Thermal Sensor | ✓ |
| External DRAM Buffer | ✓ |
| AES encryption | ✓ |
| ATA Security | ✓ |
| S.M.A.R.T. | ✓ |
| Dimension (WxLxH) | 69.8 X 100.0 X 7.0 mm ³ |
| Environment | Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -40°C ~ +85°C MTBF: 3 million hours |

* Sequential performance based on CystalDiskMark 6.0.2 with file size 1000MB of Queue Depth 32

Ordering Information (Please refer to TPS for detail)

| Operation Temp. | 200GB | 400GB | 800GB | 1.6TB | 3.2TB |
|-------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Standard Grade (0°C ~ +70°C) | DSS25-200M72KCADFP | DSS25-400M72KCAQFP | DSS25-800M72KCAQFP | DSS25-1T6M72KCAQFP | DSS25-3T2M72KCAQFP |
| Industrial Grade (-40°C ~ +85°C) | DSS25-200M72KWADFP | DSS25-400M72KWAQFP | DSS25-800M72KWAQFP | DSS25-1T6M72KWAQFP | DSS25-3T2M72KWAQFP |