

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 great 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

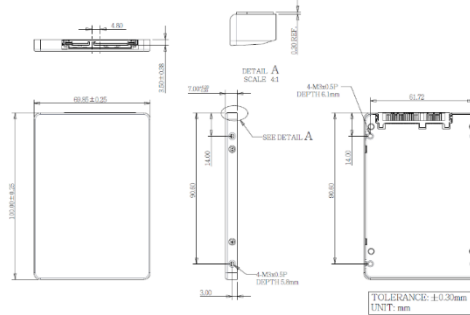
3TS6-P series

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.

Drawing

* DSS25-XXXM71XXXXFP



Specifications

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)*	84000 / 58000
Max. Power Consumption	5.0 W
Thermal Sensor	✓
External DRAM Buffer	✓
AES encryption	Optional
ATA Security	✓
S.M.A.R.T.	✓
Dimension (WxLxH)	69.8 X 100.0 X 7.0 mm ³ (128GB ~ 4TB, Single Board) 69.8 X 100.0 X 9.5 mm ³ (4TB/8TB, Dual Board)
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -40°C ~ +85°C MTBF: 3 million hours

* Sequential performance based on CrystalDiskMark 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)	DSS25-200M71KCADFP	DSS25-400M71KCAQFP	DSS25-800M71KCAQFP	DSS25-1T6M71KCAQFP	DSS25-3T2M71KCAQFP

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