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Datasheet

2.5" SATA SSD

3IE6-P 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 (optional)
- iPower Guard for protecting unstable start up and shut down



Introduction

Innodisk 2.5" SATA SSD 3IE6-P is SATA III 6Gb/s solid state disk, which delivers excellent performance, especially in random data transfer rate, and which offers reliability making it the ideal solution for a variety of applications, including embedded system, industrial computing, and enterprise field. 3IE6-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

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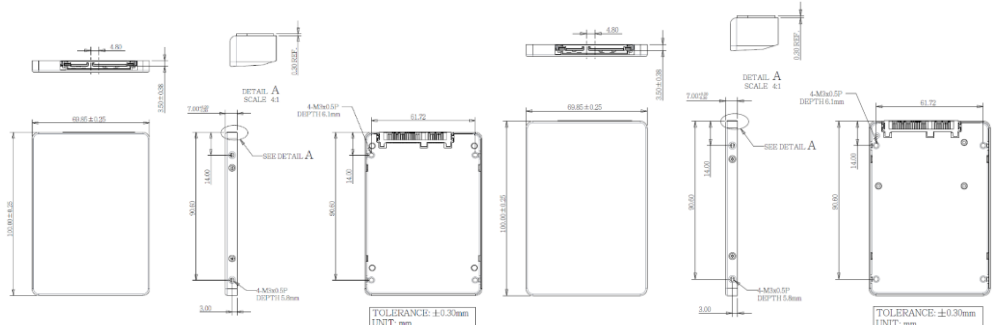
Contact us for more information about the 2.5" SATA SSD 3IE6-P

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

* DHS25-XXXM71EXXQF (320GB – 640GB) * DHS25-XXXM71EXXQF (80GB – 160GB)

* DHS25-XXXM71KXAQFP



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Interface	SATA III
Flash Type	iSLC (3D TLC)
Capacity	80GB ~ 1280GB
Max. Channels	4
Sequential R/W (MB/sec, max.)*	550 / 510 MB/s
4KB Random (QD32) R/W (IOPS)*	89,000 / 77,000
Max. Power Consumption	5.6 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 (80GB ~ 1280GB)
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 100MB of Queue Depth 32

Ordering Information (Please refer to TPS for detail)

Operation Temp.	80GB	160GB	320GB	640GB	1280GB
Standard Grade (0°C ~ +70°C)	DHS25-80GM71EC3QF	DHS25-A60M71% C *QF(P)	DHS25-D2GM71% C *QF(P)	DHS25-F4GM71% CA QF(P)	DHS25-1T2M71 KCA QFP
Industrial Grade (-40°C ~ +85°C)	DHS25-80GM71EW3QF	DHS25-A60M71% W *QF(P)	DHS25-D2GM71% W *QF(P)	DHS25-F4GM71% WA QF(P)	DHS25-1T2M71 KWA QFP

%: E: 64 layers 3D TLC; K: 112 layers 3D TLC

*. 1~9/A~Z: PCB version control

P: iCell (Optional)