

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.

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## 3IE6-P series

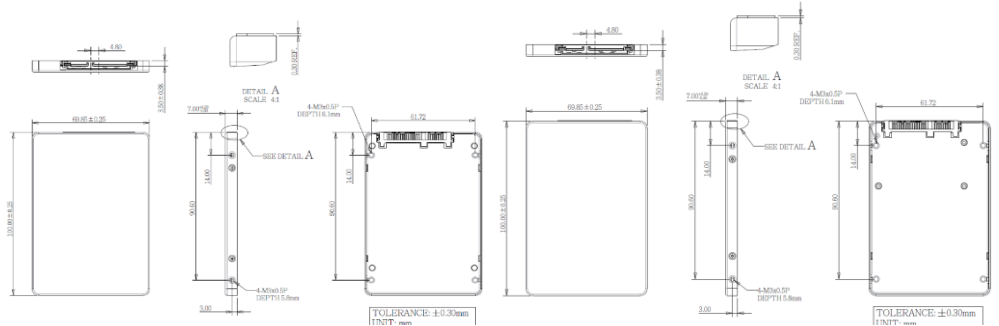
### Drawing

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.

\* 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 <sup>3</sup> (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 1000MB 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% CAQF(P)	DHS25-1T2M71KCAQFP
Industrial Grade (-40°C ~ +85°C)	DHS25-80GM71EW3QF	DHS25-A60M71% W*QF(P)	DHS25-D2GM71% W*QF(P)	DHS25-F4GM71% WAQF(P)	DHS25-1T2M71KWAQFP

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

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

P: iCell (Optional)

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