

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

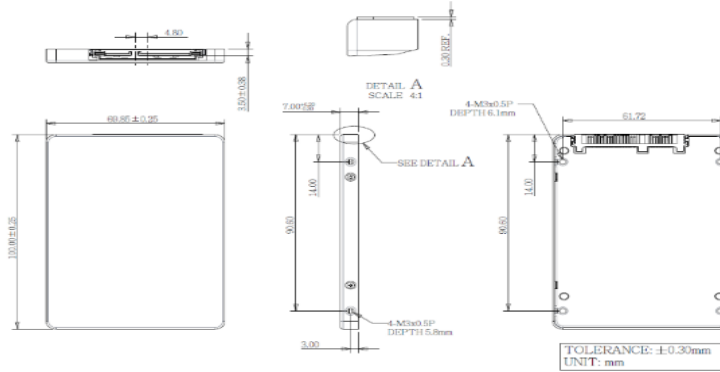
3IE6-P series

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 (80GB ~ 640GB)



Specifications

Interface	SATA III
Flash Type	3D TLC
Capacity	80GB ~ 640GB
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	4.7 W
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 (80GB ~ 640GB)
Environment	Vibration: 20G @ 7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -40°C ~ +85°C MTBF: 3 million hours

* Sequential performance based on CrystalDiskMark 5.1.2 with file size 1000MB of Queue Depth 32

Headquarters (Taiwan)

5F., No.237, Sec. 1, Datong Rd.,
Xizhi Dist., New Taipei City,
Taiwan (R.O.C.)
Tel: +886-2-77033000
Email: sales@innodisk.com

Branch Offices:

USA
usasales@innodisk.com
+1-510-770-9421
Europe
eusales@innodisk.com
+31-40-3045-400
Japan
jpsales@innodisk.com
+81-3-6667-0161
China
sales_cn@innodisk.com
+86-755-21673689
www.innodisk.com

© 2021 Innodisk Corporation.
All right reserved. Specifications
are subject to change without
prior notice.

20180703

Ordering Information (Please refer to TPS for detail)

Operation Temp.	80GB	160GB	320GB	640GB
Standard Grade (0°C ~ +70°C)	DHS25-80GM71EC3QF	DHS25-A60M71EC3QF	DHS25-D2GM71EC1QF	DHS25-F4GM71ECAQF
Industrial Grade (-40°C ~ +85°C)	DHS25-80GM71EW3QF	DHS25-A60M71EW3QF	DHS25-D2GM71EW1QF	DHS25-F4GM71EWAQF