

Datasheet

M.2 (S80) 3IE6-P series

- SATA III solution for industrial field
- High IOPS
- AES-256bits encryption
- Excellent random performance
- End to end data path protection
- iData Guard for abnormal power failure
- Supports TRIM/NCQ/SMART
- Support iSLC technology



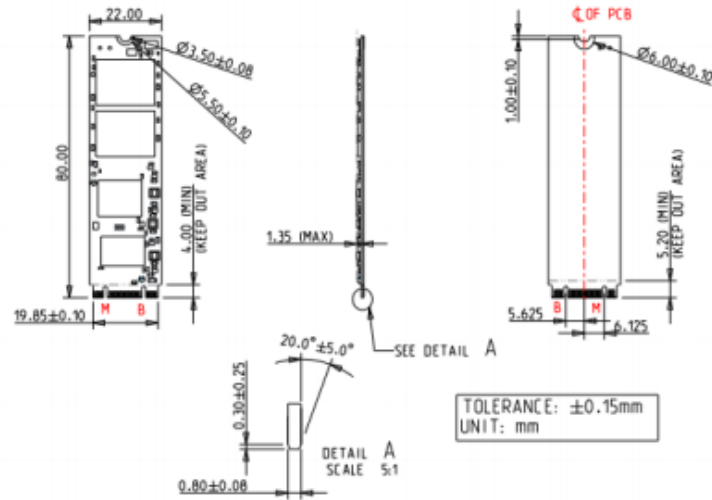
Introduction

Innodisk M.2 (S80) 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. M.2 (S80) 3IE6-P not only performs unmatched performance, but also designed with Innodisk owned technical knowhow to ensure the data integrity and highest levels of reliability.

Innodisk M.2 (S80) 3IE6-P is designed for industrial field, and supports several standard features, including TRIM, NCQ, and S.M.A.R.T. In addition, Innodisk's exclusive industrial-oriented firmware provides a flexible customization service, making it perfect for a variety of industrial applications.

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Diagram



Specifications

Interface	SATA III
Flash Type	iSLC
P/E cycle	30,000
Capacity	80GB~640GB
Max. Channels	4
Sequential R/W (MB/sec, max.)	490/490
Max. Power Consumption	2.6W
Thermal Sensor	✓
External DRAM buffer	✓
H/W Write Protect	Optional
ATA Security	✓
S.M.A.R.T.	✓
Dimension (WxLxH)	22.0 X 80.0 X 1.35mm (Max)
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -40°C ~ +85°C MTBF: 3 million hours

Ordering Information

Operation Temp.	80GB	160GB	320GB	640GB
Standard Grade (0°C ~ +70°C)	DHM28-80GM71ECAQFS	DHM28-A60M71ECAQFS	DHM28-D2GM71ECAQFS	DHM28-F4GM71ECAQF
Industrial Grade (-40°C ~ +85°C)	DHM28-80GM71EWAQFS	DHM28-A60M71EWAQFS	DHM28-D2GM71EWAQFS	DHM28-F4GM71EWAQF