

Datasheet

2.5" SATA SSD

3TG8-P series

- 2.5" SATA III solution for industrial field
- High IOPS
- iSMART disk health monitoring
- End to end data path protection
- iData Guard for abnormal power failure
- iCell technology for data protection



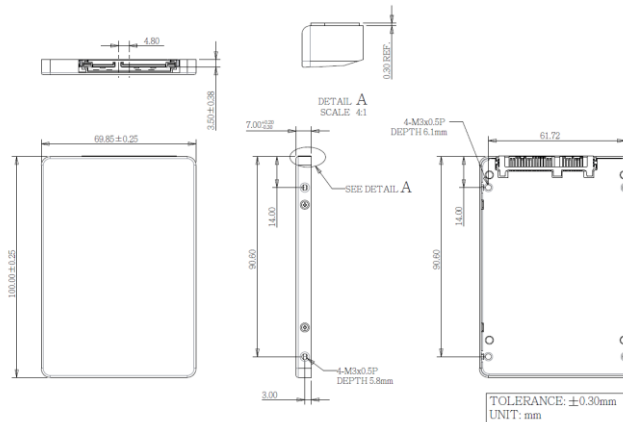
Introduction

Innodisk 2.5" SATA SSD 3TG8-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. 3TG8-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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Drawing



Specifications

Interface	SATA III
Flash Type	3D TLC
Capacity	1TB~8TB
Max. Channels	8
Sequential R/W (MB/sec, max.)*	560 / 520 MB/s
4KB Random (QD32) R/W (IOPS)*	101,000 / 89,000
Max. Power Consumption	5.2 W
External DRAM Buffer	✓
AES encryption	✓
ATA Security	✓
S.M.A.R.T.	✓
Dimension (WxLxH)	69.8 X 100.0 X 7.0 mm ³
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.	1TB	2TB	4TB	8TB
Standard Grade (0°C ~ +70°C)	DGS25-01TDE1KCAEFP DGS25-01TDE2KCAEFP	DGS25-02TDE1KCAEFP DGS25-02TDE2KCAEFP	DGS25-04TDE1KCAEFP DGS25-04TDE2KCAEFP	DGS25-08TDE1KCAEFP DGS25-08TDE2KCAEFP
Industrial Grade (-40°C ~ +85°C)	DGS25-01TDE1KWAEPF DGS25-01TDE2KWAEPF	DGS25-02TDE1KWAEPF DGS25-02TDE2KWAEPF	DGS25-04TDE1KWAEPF DGS25-04TDE2KWAEPF	DGS25-08TDE1KWAEPF DGS25-08TDE2KWAEPF

*DE2 for AES+TCG Opal functions.