

Datasheet

2.5" SATA SSD

3TG6-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)
- DEVSLP supported



Introduction

Innodisk 2.5" SATA SSD 3TG6-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. 3TG6-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

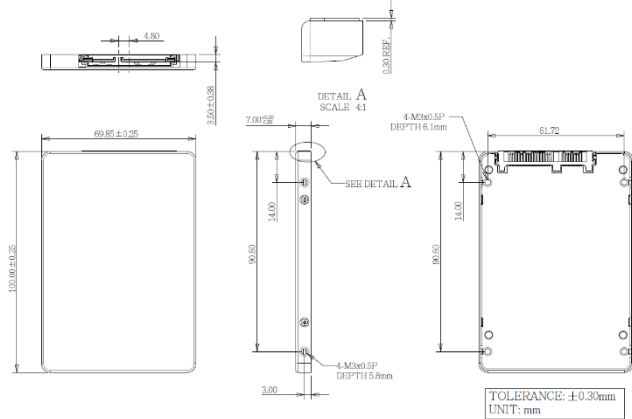
3TG6-P series

Drawing

Contact us for more information about the 2.5" SATA SSD 3TG6-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.

* DGS25-XXXM71EXXQF



Specifications

| | |
|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Interface | SATA III |
| Flash Type | 3D TLC |
| Capacity | 128GB~4TB |
| Max. Channels | 4 |
| Sequential R/W (MB/sec, max.)* | 530 / 460 MB/s |
| 4KB Random (QD32) R/W (IOPS)* | TBD |
| Max. Power Consumption | TBD |
| Thermal Sensor | √ |
| External DRAM Buffer | √ |
| AES encryption | √ |
| ATA Security | √ |
| S.M.A.R.T. | √ |
| DEVSLP Mode | √ (min. power consumption 3mW) |
| Dimension (WxLxH) | 69.8 X 100.0 X 6.8 mm |
| Environment | Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours |
| * Sequential performance based on CystalDiskMark 5.1.2 with file size 100MB | |

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Ordering Information (Please refer to TPS for detail)

| Operation Temp. | 128GB | 256GB | 512GB | 1TB | 2TB | 4TB |
|-------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Standard Grade (0°C ~ +70°C) | DGS25-A28M71EC1QF | DGS25-B56M71EC1QF | DGS25-C12M71EC1QF | DGS25-01TM71EC1QF | DGS25-02TM71ECAQF | DGS25-04TM71ECAQF |
| Industrial Grade (-40°C ~ +85°C) | DGS25-A28M71EW1QF | DGS25-B56M71EW1QF | DGS25-C12M71EW1QF | DGS25-01TM71EW1QF | DGS25-02TM71EWAQF | DGS25-04TM71EWAQF |

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