

Datasheet

2.5" SATA SSD

3TG6-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



Introduction

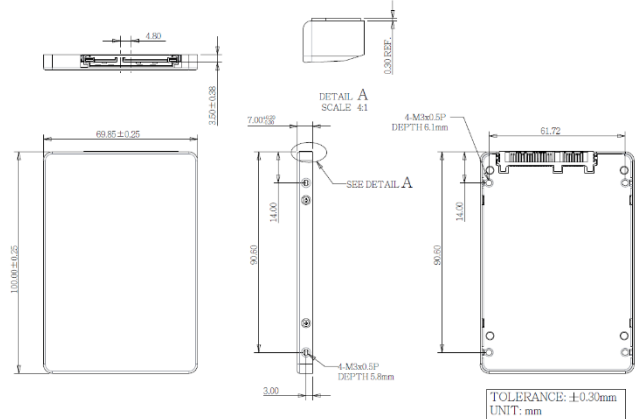
Innodisk 2.5" SATA SSD 3TG6-P is SATA III 6Gb/s solid state disk, which delivers excellent performance, especially in random data transfer rate, and which offers reliability making it the ideal solution for a variety of applications, including embedded system, industrial computing, and enterprise field. 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.

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Drawing

* DGS25-XXXM71XXXXL & DGS25-XXXM71XXXQQ



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.

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Specifications

| | |
|--------------------------------|--|
| Interface | SATA III |
| Flash Type | 3D TLC |
| Capacity | 128GB~4TB |
| Max. Channels | 4 |
| Sequential R/W (MB/sec, max.)* | 550 / 470 MB/s |
| 4KB Random (QD32) R/W (IOPS)* | 82,000 / 58,000 |
| Max. Power Consumption | 6.0 W |
| Thermal Sensor | ✓ |
| External DRAM Buffer | ✓ |
| ATA Security | ✓ |
| S.M.A.R.T. | ✓ |
| Dimension (WxLxH) | 69.8 X 100.0 X 6.8 mm |
| Environment | Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -40°C ~ +85°C MTBF: Over 3 million hours |

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

Ordering Information (Please refer to TPS for detail)

| Operation Temp. | 128GB | 256GB | 512GB | 1TB | 2TB | 4TB |
|-------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------------------------|
| Standard Grade (0°C ~ +70°C) | DGS25-A28M71%C*&L | DGS25-B56M71%C*&L | DGS25-C12M71%C*&L | DGS25-01TM71%C1QL | DGS25-02TM71%CAQL | DGS25-04TM71GCBQQ DGS25-04TM71KAQL |
| Industrial Grade (-40°C ~ +85°C) | DGS25-A28M71GW*DL | DGS25-B56M71GW*QL | DGS25-C12M71GW*QL | DGS25-01TM71GW1QL | DGS25-02TM71GWAQL | DGS25-04TM71GWBQQ |

%. E: 64 Layers 3D TLC; G: 96 Layers 3D TLC; K: 112 Layers 3D TLC

*. PCB version control

&. S=Single channel; D=Dual channels; Q=Quad channels

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