

Datasheet

CFast 3TE7 series

- High IOPS
- iSMART disk health monitoring
- iPower Guard for protecting unstable start up and shut down.
- iData Guard for abnormal power failure
- DEVSLP supported

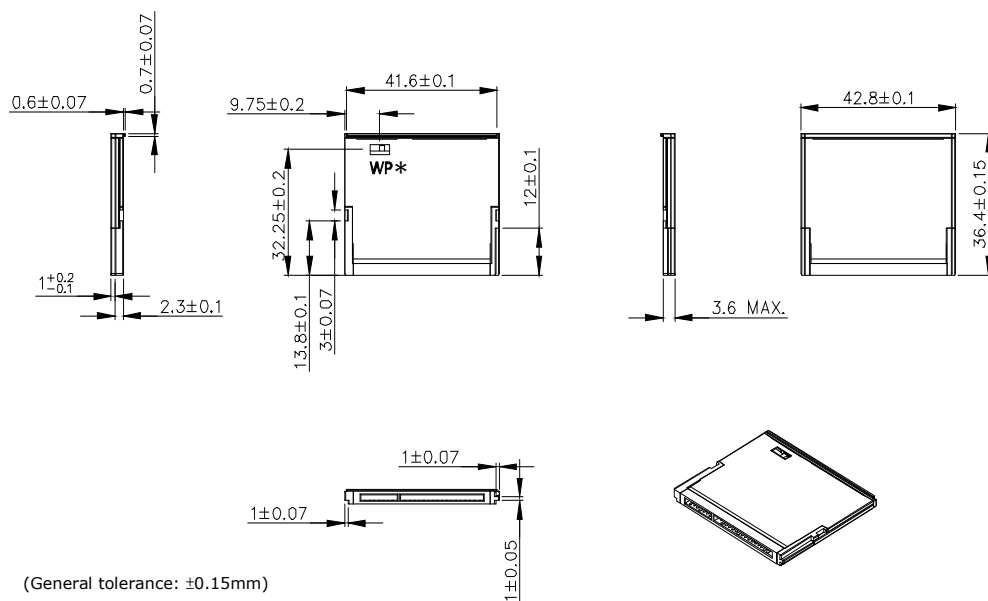


Introduction

Innodisk CFast 3TE7 is SATA III 6.0 Gb/s flash based disk, which adopts latest SATA III NAND controller with Innodisk's exclusive L³ FW architecture. The upgraded L³ FW architecture, combining Innodisk signature 4K mapping algorithm L² FW architecture with powerful LDPC technology, makes 3TE7 series have outstanding high IOPS, better data integrity and extended lifespan through reducing the bad block number happening. Built-in thermal sensor, and iData Guard ensure data integrity and reliability of CFast 3TE7 for industrial applications.

CFAST 3TE7 series

Drawing



Contact us for more information about the CFAST 3TE7

Innodisk is a service-driven provider of industrial embedded flash and DRAM storage products and technologies, with a focus on the cloud computing, industrial/embedded, and aerospace and defense industries.

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(General tolerance: ±0.15mm)

Specifications

| | |
|-------------------------------|---|
| Interface | SATA III |
| Flash Type | 3D TLC |
| Capacity | 128GB~1TB |
| Max. Channels | 4 |
| Sequential R/W (MB/sec, max.) | 550/500 |
| Max. Power Consumption | 1.8W |
| Thermal Sensor | √ |
| External DRAM Buffer | - |
| H/W Write Protect | Optional* |
| ATA Security | √ |
| S.M.A.R.T. | √ |
| Dimension (WxLxH) | 42.8X 36.4 X 3.6 mm |
| Environment | Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -40°C ~ +85°C MTBF: TBD |

Ordering Information

| Operation Temp. | 64GB | 128GB | 256GB | 512GB | 1TB |
|-------------------------------------|-------------------|----------------------|----------------------|----------------------|----------------------|
| Standard Grade (0°C ~ +70°C) | DECFA-64GDK1KCASL | DECFA-A28DK1%CADL(W) | DECFA-B56DK1%CAQL(W) | DECFA-C12DK1%CAQL(W) | DECFA-01TDK1%CAQ*(W) |
| Industrial Grade (-40°C ~ +85°C) | ----- | DECFA-A28DK1GWADL(W) | DECFA-B56DK1GWAQL(W) | DECFA-C12DK1GWAQL(W) | DECFA-01TDK1GWAQQ(W) |

%. G: 96 layers 3D TLC; K: 112 layers 3D TLC
*. L: Innodisk 3D TLC; Q: WD 3D TLC

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