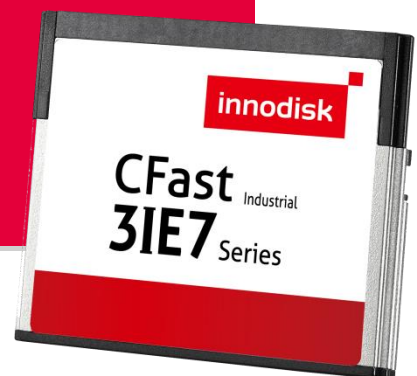


Datasheet

CFast 3IE7 series

- Support iSLC/Ultra iSLC technology
- High IOPS
- iSMART disk health monitoring
- iPower Guard Protection
- iData Guard for abnormal power failure
- DEVSLP supported

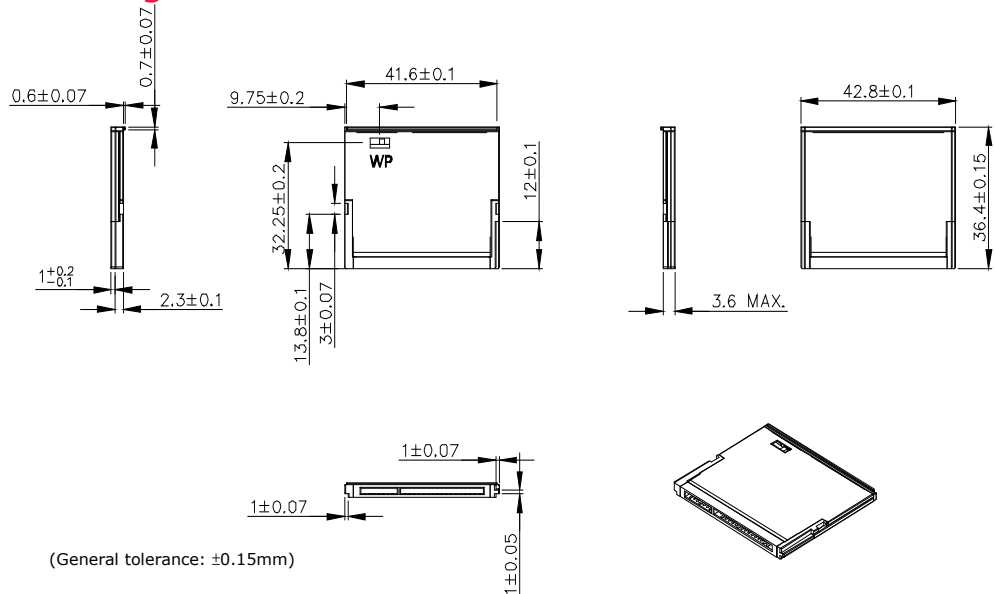


Introduction

Innodisk CFast 3IE7 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 3IE7 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 3IE7 for industrial applications.

CFast 3IE7 series

Drawing



**Contact us for more information
about the CFast 3IE7**

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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Specifications

| | |
|-------------------------------|---|
| Interface | SATA III |
| Flash Type | iSLC (3D TLC) |
| Capacity | 20GB~320GB |
| Max. Channels | 4 |
| Sequential R/W (MB/sec, max.) | 550/520 |
| Max. Power Consumption | 2.0 W |
| 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: 3 million hours |

Ordering Information

| Operation Temp. | 20GB | 40GB | 80GB | 160GB | 320GB |
|-------------------------------------|-----------------------|----------------------|----------------------|----------------------|----------------------|
| Standard Grade (0°C ~ +70°C) | DHCFA-20GDK1KCA SL(W) | DHCFA-40GDK1%CADL(W) | DHCFA-80GDK1%CA&L(W) | DHCFA-A60DK1%CAQL(W) | DHCFA-D2GDK1%CAQ*(W) |
| Industrial Grade (-40°C ~ +85°C) | DHCFA-20GDK1KWASL(W) | DHCFA-40GDK1%WADL(W) | DHCFA-80GDK1%WA&L(W) | DHCFA-A60DK1%WAQL(W) | DHCFA-D2GDK1%WAQ*(W) |

W. H/W write protect function is optional
%. G: 96 layers 3D TLC; K: 112 layers 3D TLC
&. D: 2 channels; Q: 4 channels
*. L: Innodisk Marking; Q: Original Marking

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