

Datasheet

# CFast 3SE series

- SATA III interface
- Extremely low power consumption
- iSMART disk health monitoring
- Intelligent error recovery system
- Excellent data transfer speed
- Hardware write protect
- Enhanced power cycling management



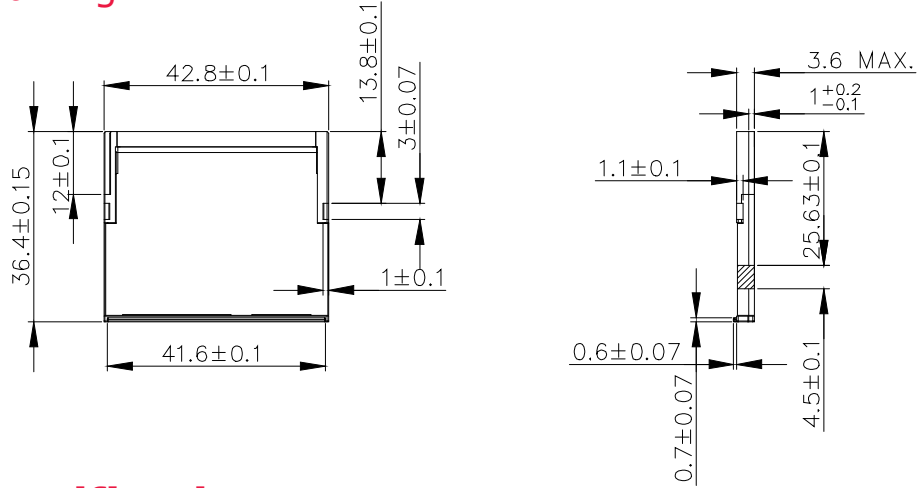
## Introduction

The Innodisk CFast 3SE operates at SATA III 6.0 Gb/s, which offers data transfer rate of read up to 470MB/sec. and of sequential write up to 250MB/s. Compliant with CFast 2.0 standard, it is designed with 7+17 pin connector and is SATA compatible. Due to the idle power saving, it reduces 30% power consumption. CFast 3SE is featured as small form factor, and suitable for most industrial application.

CFast 3SE can work under harsh environment, and complies with ATA protocol. Without additional drives, the disk can be configured as a boot device or data storage device. CFast 3SE support hardware write protect to prevent modification of valuable data on a device. Besides, through Innodisk's enhanced power cycling technology and more capacitors, CFast 3SE prevents data loss caused by sudden power failure. By using Innodisk's iSMART, users can not only monitor the operation status of SSD, but also visualize Wear-Leveling status with graphics.

# CFast 3SE<sub>series</sub>

## Drawing



Contact us for more information  
about the CFast 3SE

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.

## Specifications

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|                                  |   |
|----------------------------------|---|
| Interface                        | SATA III  |
| Flash Type                       | SLC   |
| Capacity                         | 1GB~64GB  |
| Max. Channels                    | 4   |
| Sequential R/W (MB/sec,<br>max.) | 470/250   |
| Max. Power Consumption           | 1W  |
| Thermal Sensor                   | Optional  |
| External DRAM Buffer             | -   |
| H/W Write Protect                | √   |
| ATA Security                     | √   |
| S.M.A.R.T.                       | √   |
| Dimension (WxLxH)                | 42.8X 36.4 X 3.6 mm   |
| Environment                      | Vibration: 20G @7~2000Hz<br>Shock: 1500G @ 0.5ms<br>Storage Temperature: -55°C ~ +95°C<br>MTBF: 3 million hours |

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## Ordering Information

| Operation Temp.                     | 1GB               | 2GB               | 4GB               | 8GB               | 16GB              | 32GB              | 64GB              |
|-------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Standard Grade<br>(0°C ~ +70°C)     | DECFA-01GD07AC3SB | DECFA-02GD07AC3DB | DECFA-04GD06SCBDB | DECFA-08GD06SCBQB | DECFA-16GD06SCBQB | DECFA-32GD06SCBQB | DECFA-64GD06SCBQB |
| Industrial Grade<br>(-40°C ~ +85°C) | DECFA-01GD07AW3SB | DECFA-02GD07AW3DB | DECFA-04GD06SWBDB | DECFA-08GD06SWBQB | DECFA-16GD06SWBQB | DECFA-32GD06SWBQB | DECFA-64GD06SWBQB |

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