

Datasheet

CFast

3IE series

- iSLC technology
- 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

iSLC [3IE series], designed to outdo the endurance, performance and reliability of MLC-based solutions. Through the use of flash management algorithms, iSLC improves SSD endurance up to 20,000 times, increasing lifespans up to 10 times longer than MLC-based solutions. In addition, iSLC improves the performance of solid state drives, with similar write performance of SLC-based solutions, and with data quality that is on par with SLC technologies. The Innodisk iSLC series is cost efficient, boasting excellent benefits at only half the price of SLC-based solutions.

CFast 3IE 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 3IE 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 3IE 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.

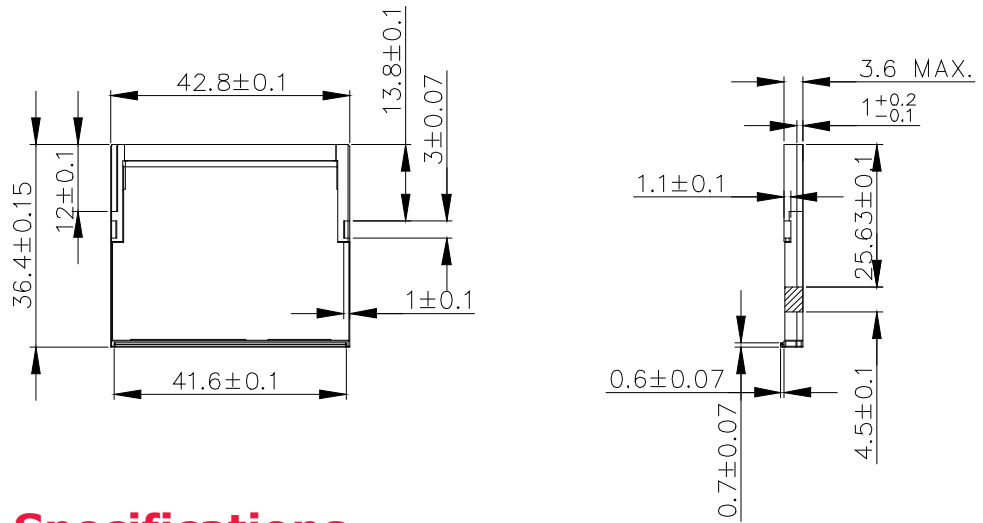
CFast

3IE_{series}

Drawing

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

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	iSLC
P/E Cycle limit	20,000
Capacity	8GB~64GB
Max. Channels	2
Sequential R/W (MB/sec, max.)	310/280
Max. Power Consumption	1.1W
Thermal Sensor	ST- Optional/ WT- Default
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 Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours

Ordering Information

Operation Temp.	8GB	16GB	32GB	64GB
Standard Grade (0°C ~ +70°C)	DHCFA-08GD073C2DC	DHCFA-16GD073C2DC	DHCFA-32GD073C2DC	DHCFA-64GD073C2DC
Industrial Grade (-40°C ~ +85°C)	DHCFA-08GD072W2DC	DHCFA-16GD072W2DC	DHCFA-32GD072W2DC	DHCFA-64GD072W2DC