

Datasheet

# CFast 3IE7 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
- Support iSLC technology



## 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 L<sup>3</sup> FW architecture. The upgraded L<sup>3</sup> FW architecture, combining Innodisk signature 4K mapping algorithm L<sup>2</sup> 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.

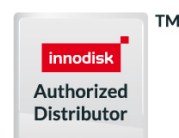
**innodisk**

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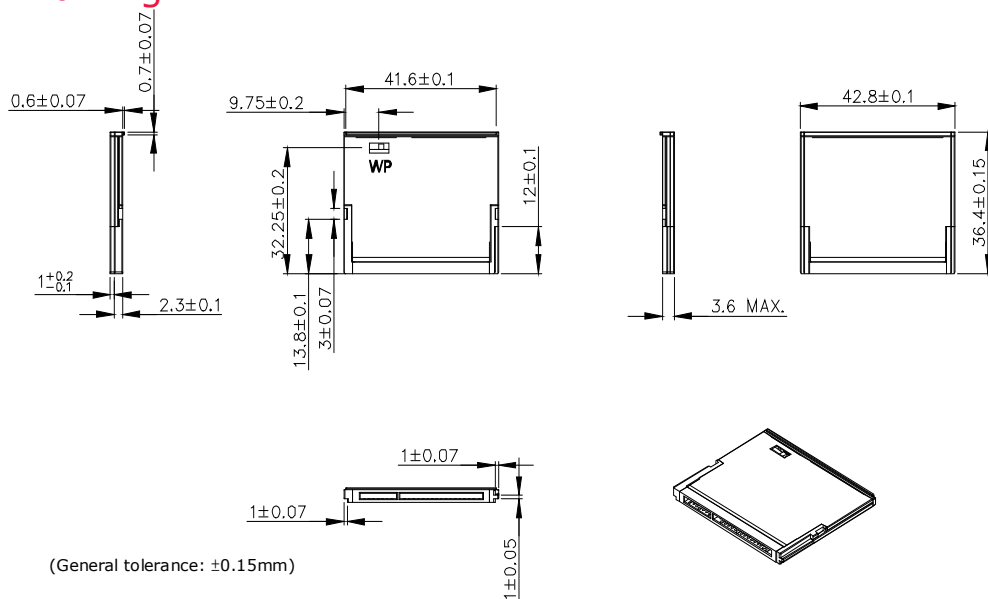
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# CFast 3IE7 series

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.

## Drawing



## Specifications

Interface	SATA III
Flash Type	iSLC
Capacity	20GB~160GB
Max. Channels	4
Sequential R/W (MB/sec, max.)	550/490
Max. Power Consumption	1.4 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

20210504

## Ordering Information

Operation Temp.	20GB	40GB	80GB	160GB
Standard Grade (0°C ~ +70°C)	DHCFA-20GDK1EC1DF(W)	DHCFA-40GDK1EC1QF(W)	DHCFA-80GDK1EC1QF(W)	DHCFA-A60DK1EC1QF(W)
Industrial Grade (-40°C ~+85°C)	DHCFA-20GDK1EW1DF(W)	DHCFA-40GDK1EW1QF(W)	DHCFA-80GDK1EW1QF(W)	DHCFA-A60DK1EW1QF(W)

\*H/W write protect function is optional.

(For the write protect demand, please place the order by PN: DHCFA-xxxDK1GxAxFW)

\*D: Dual channel / Q: four channel

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