

Datasheet

# CFast

## 3IE7 series

- Support iSLC/Ultra iSLC technology
- High IOPS
- iSMART disk health monitoring
- iPower Guard for protecting unstable start up and shut down.
- iData Guard for abnormal power failure

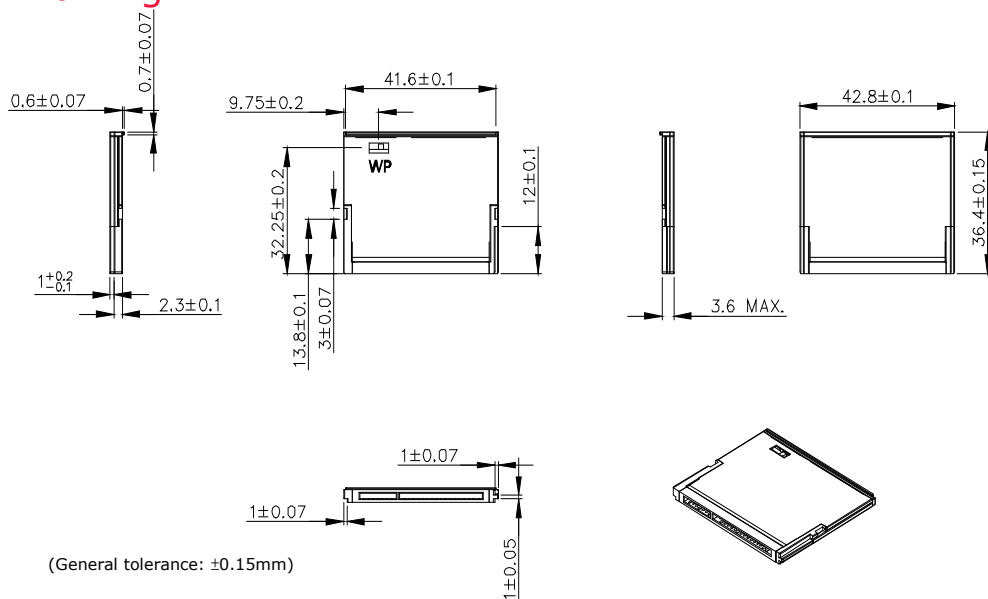


### Introduction

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.

# 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.

### Headquarters (Taiwan)

5F., No.237, Sec. 1, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)

Tel: +886-2-77033000  
Email: sales@innodisk.com

### Branch Offices:

USA  
[usasales@innodisk.com](mailto:usasales@innodisk.com)  
+1-510-770-9421  
Europe  
[eusales@innodisk.com](mailto:eusales@innodisk.com)  
+31-40-3045-400  
Japan  
[jpsales@innodisk.com](mailto:jpsales@innodisk.com)  
+81-3-6667-0161  
China  
[sales\\_cn@innodisk.com](mailto:sales_cn@innodisk.com)  
+86-755-21673689

[www.innodisk.com](http://www.innodisk.com)

© 2023 Innodisk Corporation.  
All right reserved. Specifications are subject to change without prior notice.

20231205

## Specifications

Interface	SATA III
Flash Type	iSLC (3D TLC)
Capacity	20GB~320GB
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

## Ordering Information

Operation Temp.	20GB	40GB	80GB	160GB	320GB
Standard Grade (0°C ~ +70°C)	DHCFA-20GDK1%C*&F(W)	DHCFA-40GDK1%C*&F(W)	DHCFA-80GDK1%C*QF(W)	DHCFA-A60DK1%C*QF(W)	DHCFA-D2GDK1%C*QF(W)
Industrial Grade (-40°C ~+85°C)	DHCFA-20GDK1%W*&F(W)	DHCFA-40GDK1%W*&F(W)	DHCFA-80GDK1%W*QF(W)	DHCFA-A60DK1%W*QF(W)	DHCFA-D2GDK1%W*QF(W)

\*H/W write protect function is optional.

(For the write protect demand, please place the order by PN: DHCFA-xxxDK1GxAx**FW**)

**innodisk**

%: E: 64 layers 3D TLC / K: 112 layers 3D TLC

\*: PCB version control

&: S: Single channel / D: Dual channels / Q: four channels

[www.innodisk.com](http://www.innodisk.com)