

Datasheet

# CFast 3SE3 series

- Innovative Firmware Algorithm
- DRAM-less, 100% data integrity
- Excellent random performance
- Wide Temperature:  $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$
- Supports TRIM/NCQ/SMART
- Built in iData Guard



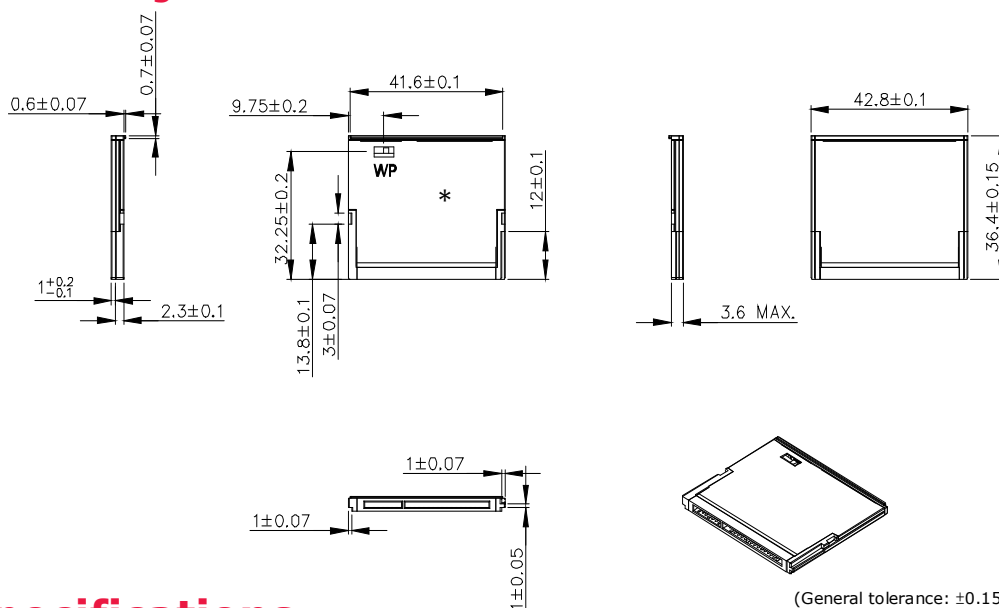
## Introduction

The Innodisk CFast 3SE3 operates at SATA III 6.0 Gb/s, which offers data transfer rate of read up to 330MB/s. and of sequential write up to 180MB/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 3SE3 is featured as small form factor, and suitable for most industrial application.

CFast 3SE3 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 3SE3 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 3SE3 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 3SE3 series

## Drawing



(General tolerance: ±0.15mm)

Contact us for more information about the CFast 3SE3

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	SLC
Capacity	4GB~64GB
Max. Channels	4
Sequential R/W (MB/sec, max.)	330/190
Max. Power Consumption	1.7W
Thermal Sensor	ST-optional/WT-default
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.	4GB	8GB	16GB	32GB	64GB
Standard Grade (0°C ~ +70°C)	DECFA-04GD09AC1SB**	DECFA-08GD09AC1DB**	DECFA-16GD08SCAQB(W)	DECFA-32GD08SCAQB(W)	DECFA-64GD08SCAQB(W)
Industrial Grade (-40°C ~+85°C)	DECFA-04GD09AW1SB**	DECFA-08GD09AW1DB**	DECFA-16GD08SWAQB(W)	DECFA-32GD08SWAQB(W)	DECFA-64GD08SWAQB(W)

\*H/W write protect function is optional.

For the write protect demand, please place the order by PN: DECFA-xxxD08SxAxBW

\*\*Both have BGA & TSOP PCB version.

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