

Datasheet

# CFast 3TE7 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

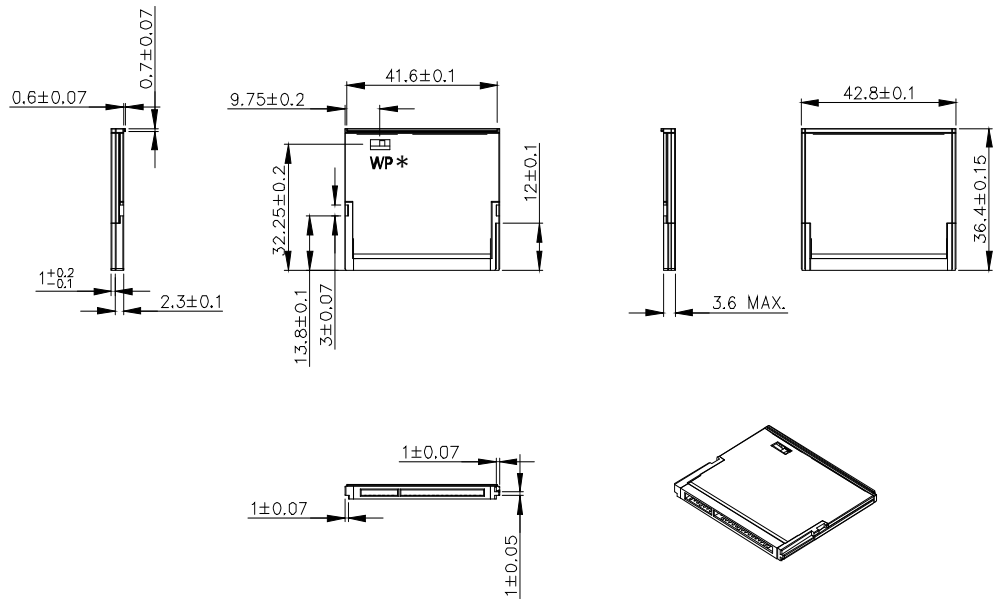


## Introduction

Innodisk CFast 3TE7 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 3TE7 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 3TE7 for industrial applications.

# CFAST 3TE7 series

## Drawing



Contact us for more information about the CFAST 3TE7

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

(General tolerance: ±0.15mm)

Interface	SATA III
Flash Type	3D TLC
P/E cycle	3,000
Capacity	32GB~1TB
Max. Channels	4
Sequential R/W (MB/sec, max.)	560/490
Max. Power Consumption	2.5 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.	32GB	64GB	128GB	256GB	512GB	1TB
Standard Grade (0°C ~ +70°C)	DECFA-32GDK1EC1SF(W)	DECFA-64GDK1EC1DF(W)	DECFA-A28DK1%CADF(W)	DECFA-B56DK1%CAQF(W)	DECFA-C12DK1%CAQF(W)	DECFA-01TDK1%CAQF(W)
Industrial Grade (-40°C ~ +85°C)	DECFA-32GDK1EW1SF(W)	DECFA-64GDK1EW1DF(W)	DECFA-A28DK1EW1QF(W)	DECFA-B56DK1EW1QF(W)	DECFA-C12DK1EW1QF(W)	NA

\*H/W write protect function is optional.

(For the write protect demand, please place the order by PN: DECFA-xxxDK1xxxxFW)

%: E/G/K for 64/96/112 layers 3D TLC

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