

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

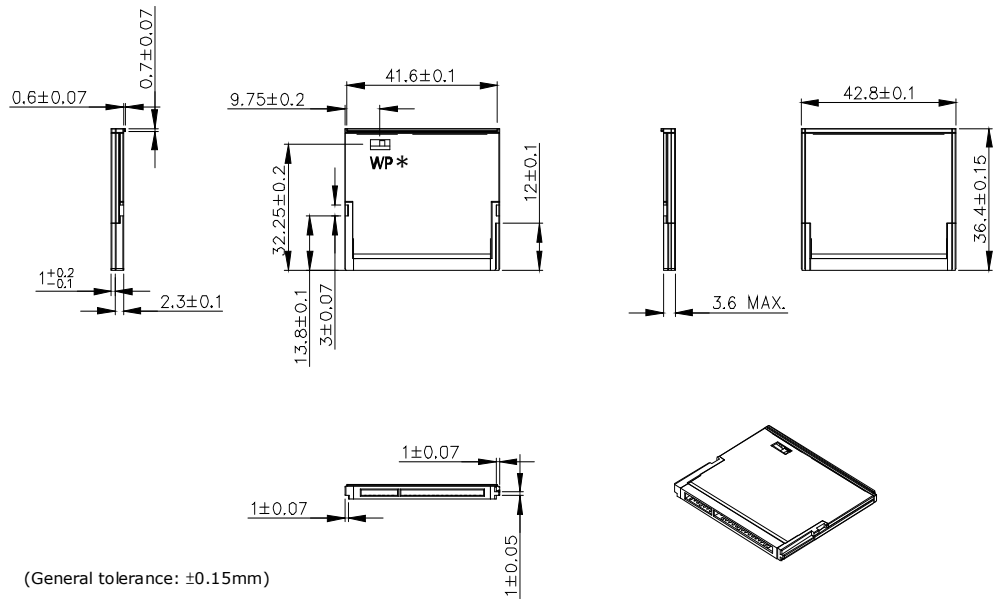


Introduction

Innodisk CFast 3TE7 is SATA III 6.0 Gb/s flash based disk, which adopts latest SATA III NAND controller with Innodisk's exclusive L³ FW architecture. The upgraded L³ FW architecture, combining Innodisk signature 4K mapping algorithm L² 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



(General tolerance: $\pm 0.15\text{mm}$)

Specifications

Interface	SATA III
Flash Type	3D TLC
Capacity	128GB~1TB
Max. Channels	4
Sequential R/W (MB/sec, max.)	550/500
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: TBD

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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Ordering Information

Operation Temp.	128GB	256GB	512GB	1TB
Standard Grade (0°C ~ +70°C)	DECFA-A28DK1GCADL(W)	DECFA-B56DK1GCAQL(W)	DECFA-C12DK1GCAQL(W)	DECFA-01TDK1GCAQQ(W)
Industrial Grade (-40°C ~ +85°C)	DECFA-A28DK1GWADL(W)	DECFA-B56DK1GWAQL(W)	DECFA-C12DK1GWAQL(W)	DECFA-01TDK1GWAQQ(W)

*H/W write protect function is optional.

(For the write protect demand, please place the order by PN: DECFA-xxxDK1GxAxx**W**)

* D: Dual channel / Q: four channel

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