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

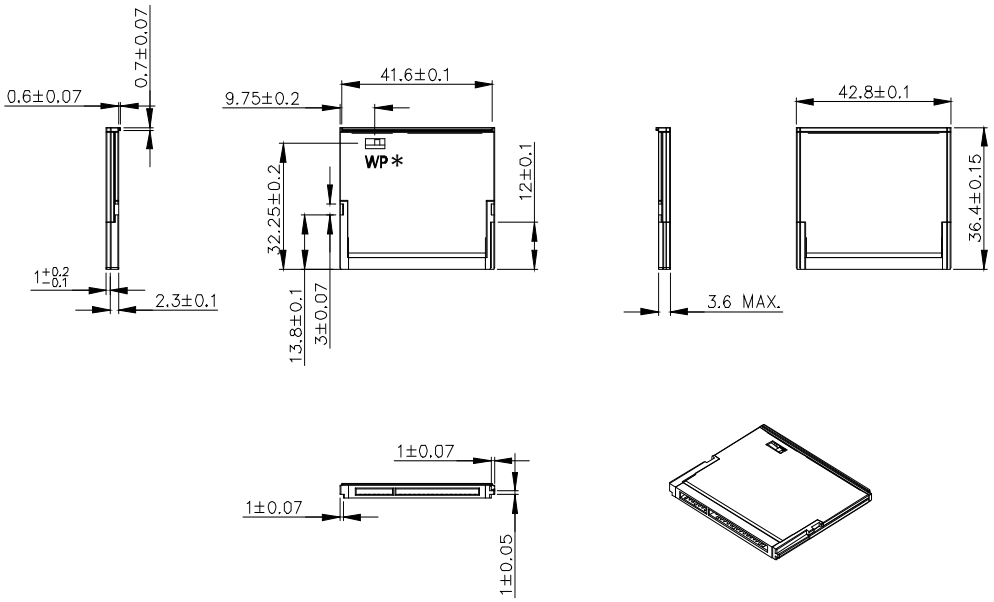


Introduction

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^3 FW architecture. The upgraded L^3 FW architecture, combining Innodisk signature 4K mapping algorithm L^2 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-xxxDK1xxxxF**W**)
%: E/G/K for 64/96/112 layers 3D TLC