Datasheet

CFast
3TE7 series

- High IOPS
- iSMART disk health monitoring
- AES-256 encryption
- iPower Guard for protecting unstable start up and shut down.
- iData Guard for abnormal power failure
- DEVSLP supported

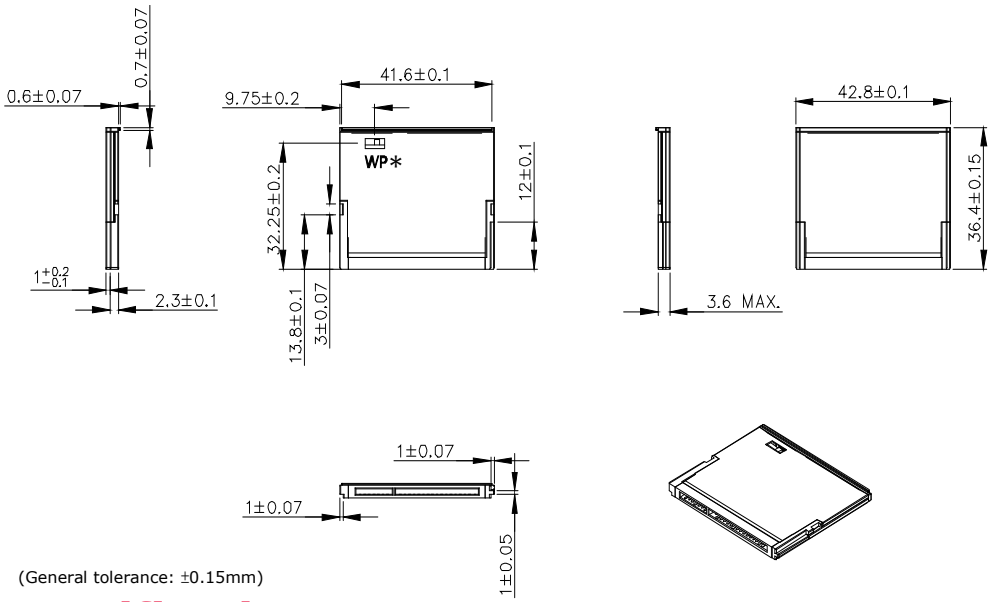


Introduction

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 Innodik 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: ±0.15mm)

Specifications

Interface	SATA III
Flash Type	3D TLC
Capacity	32GB~512GB
Max. Channels	4
Sequential R/W (MB/sec, max.)	560/330
Max. Power Consumption	1.8 W
Thermal Sensor	ST- default / 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: -55°C ~ +95°C MTBF: TBD

Ordering Information

Operation Temp.	32GB	64GB	128GB	256GB	512GB
Standard Grade (0°C ~ +70°C)	DECFA-32GDK1EC1SF(W)	DECFA-64GDK1EC1DF(W)	DECFA-A28DK1EC1QF(W)	DECFA-B56DK1EC1QF(W)	DECFA-C12DK1EC1QF(W)
Industrial Grade (-40°C ~+85°C)	DECFA-32GDK1EW1SF(W)	DECFA-64GDK1EW1DF(W)	DECFA-A28DK1EW1QF(W)	DECFA-B56DK1EW1QF(W)	DECFA-C12DK1EW1QF(W)

*H/W write protect function is optional.
(For the write protect demand, please place the order by PN: DECFA-xxxDK1Ex1xF**W**)
*S:Single channel / D:Dual channel// D:four channel

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.

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
+1-510-770-9421
Europe
eusales@innodisk.com
+31-40-3045-400
Japan
jpsales@innodisk.com
+81-3-6667-0161
China
sales_cn@innodisk.com
+86-755-21673689

www.innodisk.com

© 2019 Innodisk Corporation.
All right reserved. Specifications are subject to change without prior notice.

20190123