

Datasheet

CFast 3ME3 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 3ME3 operates at SATA III 6.0 Gb/s, which offers data transfer rate of read up to 420MB/s. and of sequential write up to 220MB/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 3ME3 is featured as small form factor, and suitable for most industrial application.

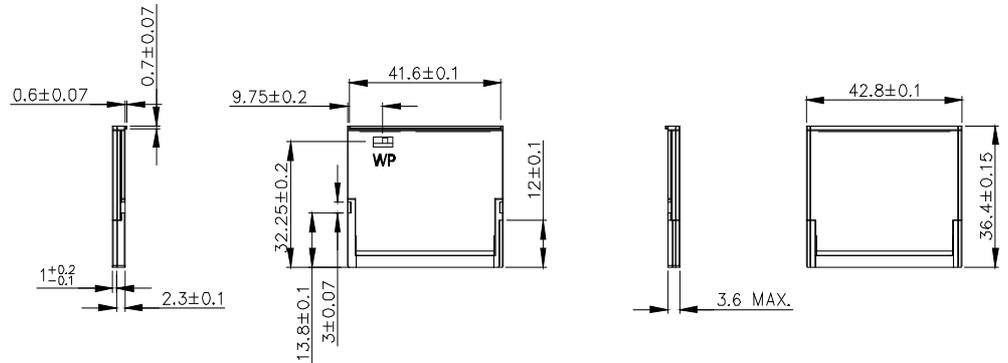
CFast 3ME3 can work under harsh environment, and complies with ATA protocol. Without additional drives, the disk can be configured as a boot device or data storage device. CFast 3ME3 support hardware write protect to prevent modification of valuable data on a device. Besides, through Innodisk's enhanced power cycling technology and more capacitors, CFast 3ME3 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.

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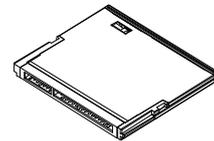
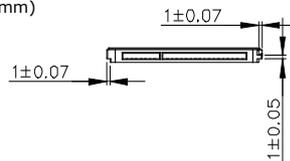
Drawing

Contact us for more information
about the CFast 3ME3

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.



(General tolerance: ±0.15mm)



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Specifications

Interface	SATA III
Flash Type	MLC
Capacity	8GB~512GB
Max. Channels	4
Sequential R/W (MB/sec, max.)	420/220
Max. Power Consumption	1.9W
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: -55°C ~ +95°C MTBF: 3 million hours

Ordering Information

Operation Temp.	8GB	16GB	32GB	64GB	128GB	256GB	512GB
Standard Grade (0°C ~ +70°C)	DECFA-08GD09BC1SC	DECFA-16GD09BC1SC DECFA-16GD09BC1DC	DECFA-32GD09BC1DC	DECFA-64GD09BC1DC DECFA-64GD08BCBQC	DECFA-A28D09BC1DC DECFA-A28D08BCBQC	DECFA-B56D09BC1DC DECFA-B56D08BCBQC	DECFA-C12D08BCBQC
Industrial Grade (-40°C ~ +85°C)	DECFA-08GD09BW1SC	DECFA-16GD09BW1SC DECFA-16GD09BW1DC	DECFA-32GD09BW1DC	DECFA-64GD09BW1DC DECFA-64GD08BWBQC	DECFA-A28D09BW1DC DECFA-A28D08BWBQC	DECFA-B56D09BW1DC DECFA-B56D08BWBQC	DECFA-C12D08BWBQC

*H/W write protect function is optional.

For the write protect demand, please place the order by PN: DECFA-xxxD09BX1xCW / DECFA-xxxD08Bx1xCW

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