

Datasheet

CFast 3ME2 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



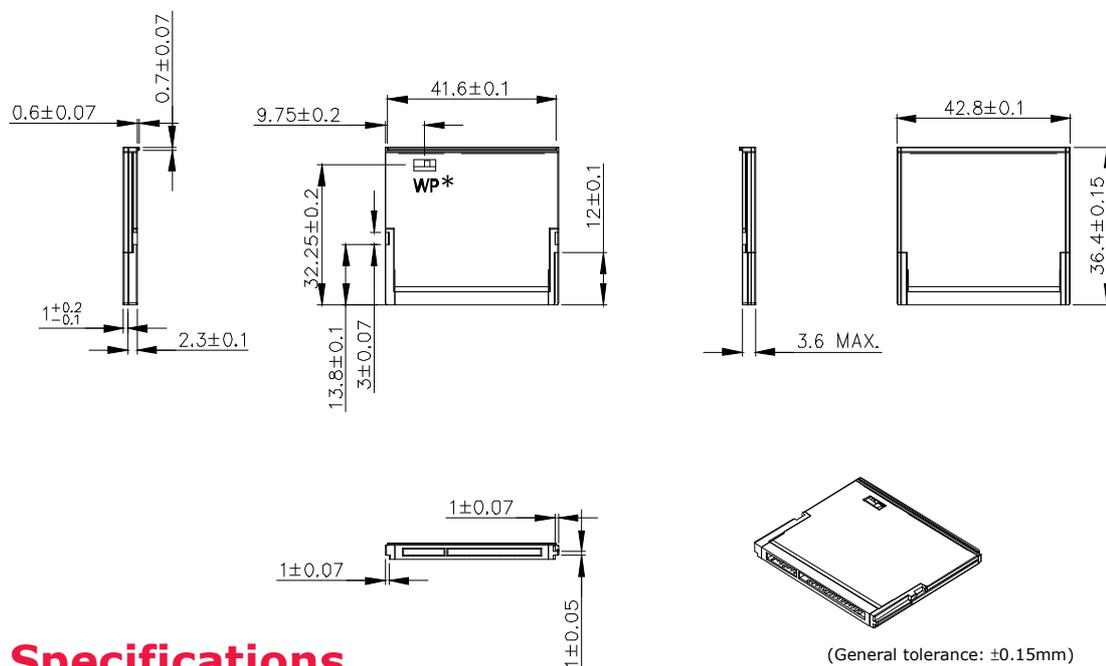
Introduction

The Innodisk CFast 3ME2 operates at SATA III 6.0 Gb/s, which offers data transfer rate of read up to 440MB/s. and of sequential write up to 150MB/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 3ME2 is featured as small form factor, and suitable for most industrial application.

CFast 3ME2 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 3ME2 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 3ME2 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.

CFAST 3ME2series

Drawing



Specifications

Interface	SATA III
Flash Type	MLC
Capacity	16GB~128GB
Max. Channels	4
Sequential R/W (MB/sec, max.)	440/150
Max. Power Consumption	1.1W
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.	16GB	32GB	64GB	128GB
Standard Grade (0°C ~ +70°C)	DECFA-16GD72SCASN(W)	DECFA-32GD72SCADN(W)	DECFA-64GD72SCAQN(W)	DECFA-A28D72SCAQN(W)
Industrial Grade (-40°C ~ +85°C)	DECFA-16GD72SWASN(W)	DECFA-32GD72SWADN(W)	DECFA-64GD72SWAQN(W)	DECFA-A28D72SWAQN(W)

*H/W write protect function is optional.

For the write protect demand, please place the order by PN: DECFA-xxxD72SxAxNW

Contact us for more information
about the CFAST 3ME2

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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