

Datasheet

CFast 3ME3 series

- Innovative Firmware Algorithm
- DRAM-less, 100% data integrity
- Excellent random performance
- Wide Temperature: -40°C ~ 85 °C
- Supports TRIM/NCQ/SMART
- Built in iData Guard



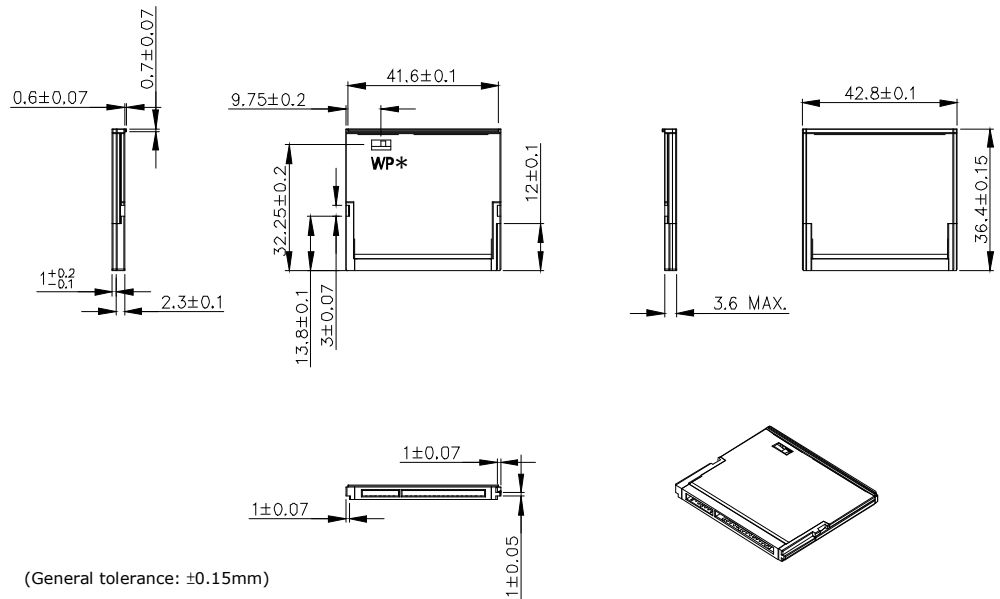
Introduction

The Innodisk CFast 3ME3 operates at SATA III 6.0 Gb/s, which offers data transfer rate of read up to 220MB/s. and of sequential write up to 130MB/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.

CFast 3ME3_{series}

Drawing



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

Specifications

Interface	SATA III
Flash Type	MLC
Capacity	8GB~256GB
Max. Channels	2
Sequential R/W (MB/sec, max.)	220/130
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.	8GB	16GB	32GB	64GB	128GB	256GB
Standard Grade (0°C ~ +70°C)	DECFA-08GD09SC1SC(W) DECFA-08GD09BC1SC(W)	DECFA-16GD09SC1DC(W) DECFA-16GD09BC1SC(W)	DECFA-32GD09SC1DC(W) DECFA-32GD09BC1DC(W)	DECFA-64GD09SC1DC(W) DECFA-64GD09BC1DC(W)	DECFA-A28D09SC1DC(W) DECFA-A28D09BC1DC(W)	DECFA-B56D09BC1DC(W)
Industrial Grade (-40°C ~ +85°C)	DECFA-08GD09SW1SC(W) DECFA-08GD09BW1SC(W)	DECFA-16GD09SW1DC(W) DECFA-16GD09BW1SC(W)	DECFA-32GD09SW1DC(W) DECFA-32GD09BW1DC(W)	DECFA-64GD09SW1DC(W) DECFA-64GD09BW1DC(W)	DECFA-A28D09SW1DC(W) DECFA-A28D09BW1DC(W)	DECFA-B56D09BW1DC(W)

*H/W write protect function is optional.

For the write protect demand, please place the order by PN: DECFA-xxxD09Sx1xCW
S: Toshiba A19nm MLC / B: Toshiba 15nm MLC

innodisk

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