Datasheet

CFast 3ME4 series

- Exclusive L^3 architecture
- Designed with LDPC ECC engine
- DRAM-less, 100% data integrity
- Excellent random performance
- Wide Temperature: -40℃~85 ℃
- Supports TRIM/NCQ/SMART
- Built in iData Guard



Introduction

Innodisk CFast 3ME4 is characterized by L^3 architecture with the latest SATA III (6.0GHz) Marvell NAND controller. Innodisk's exclusive L^3 architecture is L^2 architecture multiplied LDPC (Low Density Parity Check). L^2 (Long Life) architecture is a 4K mapping algorithm that reduces WAF and features a real-time wear leveling algorithm to provide high performance and prolong lifespan with exceptional reliability. Without additional driver, CFast 3ME4, featured as small form factor, can be configured as a boot device or data storage and is suitable for most industrial application. Supported with hardware write protection, CFast 3ME4 can prevent valuable data on a device from modification and deletion.

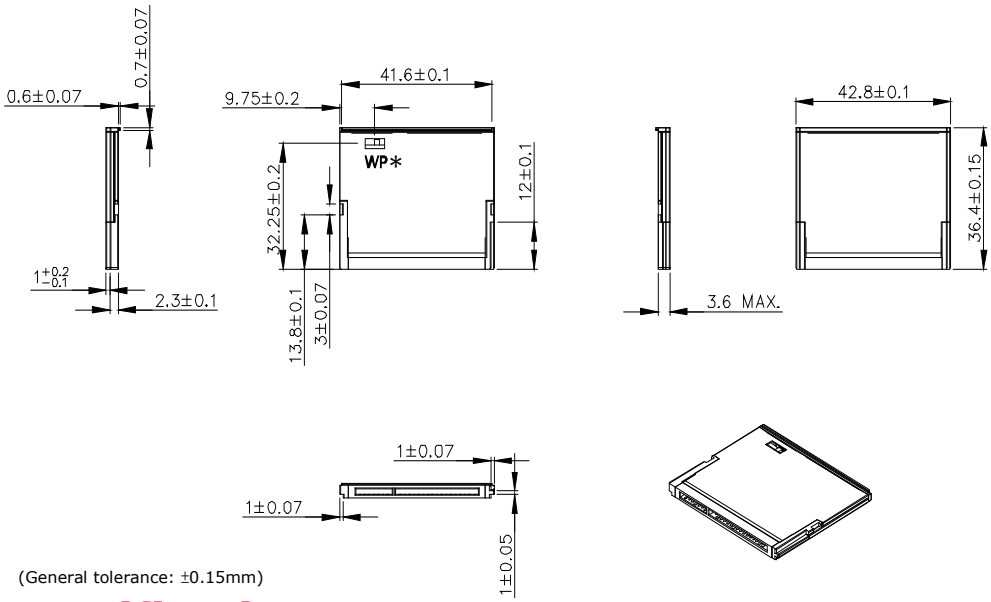
Innodisk CFast 3ME4 is designed for industrial field, and supports several standard features, including TRIM, NCQ, and S.M.A.R.T. In addition, Innodisk's exclusive industrial-oriented firmware provides a flexible customization service, making it perfect for a variety of industrial applications.

CFast
3ME4 series

Contact us for more information about the CFast 3ME4

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.

Drawing



(General tolerance: ±0.15mm)

Specifications

Interface	SATA III
Flash Type	MLC
Capacity	8GB~256GB
Max. Channels	2
Sequential R/W (MB/sec, max.)	530/210
Max. Power Consumption	1W
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: 3 million hours

Ordering Information

Operation Temp.	8GB	16GB	32GB	64GB	128GB	256GB
Standard Grade (0°C ~ +70°C)	DECFA-08GM41BC1SC(W)	DECFA-16GM41BC1**S**C(W) DECFA-16GM41BC1**D**C(W)	DECFA-32GM41BC1DC(W)	DECFA-64GM41BC1DC(W)	DECFA-A28M41BC1DC(W)	DECFA-B56M41BC1DC(W)
Industrial Grade (-40°C ~+85°C)	DECFA-08GM41BW1SC(W)	DECFA-16GM41BW1**S**C(W) DECFA-16GM41BW1**D**C(W)	DECFA-32GM41BW1DC(W)	DECFA-64GM41BW1DC(W)	DECFA-A28M41BW1DC(W)	DECFA-B56M41BW1DC(W)

*H/W write protect function is optional.
(For the write protect demand, please place the order by PN: DECFA-xxxM41Bx1xC**W**)
*S:Single channel / D:Dual channel

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