Datasheet

iCF
1ME series

- iSMART disk health monitoring
- Compliant with E-Mark/SAE J113/ISO 7673-2
- Intelligent error recovery system
- Excellent data transfer speed
- Write protection security
- Enhanced power cycling management



Introduction

The Innodisk Industrial CompactFlash® 1ME Memory Card (iCF 1ME) products provide high capacity solid-state flash memory that electrically complies with the True IDE Mode that is electrically compatible with an IDE disk drive. The original CF form factor card can be used in any system that has a CF slot.

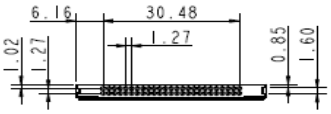
Designed to replace traditional rotating disk drives, Innodisk Industrial CompactFlash® 1ME Memory Cards are embedded solid-state data storage systems for mobile computing and the industrial work place. The Industrial CompactFlash® features an extremely lightweight, reliable, low-profile form factor. Industrial CompactFlash® 1ME (iCF 1ME) support advanced PIO (0-6), Multiword DMA (0-4), Ultra DMA (0-7) transfer mode, multi-sector transfers, and LBA addressing.

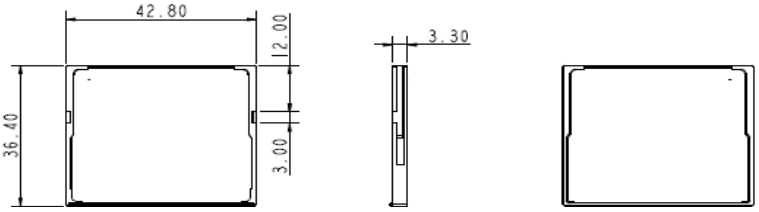
iCF
1ME series

Contact us for more information about the iCF 1ME

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





Specifications

Interface	PATA
Flash Type	MLC
Capacity	4GB~128GB
Max. Channels	2
Sequential R/W (MB/sec, max.)	110/75
Max. Power Consumption	0.76W(3.3V x 230mA)
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 3.3 mm
Environment	Vibration: 20G @7~2000Hz Shock: 1500G @ 0.5ms Storage Temperature: -55°C ~ +95°C MTBF: 3 million hours

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Ordering Information

Operation Temp.	4GB	8GB	16GB	32GB	64GB	128GB
Standard Grade (0°C ~ +70°C)	DECFC-04GD53RC1SC	DECFC-08GD53RC1SC	DECFC-16GD53RC1DC	DECFC-32GD53RC1DC	DECFC-64GD53RC1DC	DECFC-A28D53RC1DC
Industrial Grade (-40°C ~ +85°C)	DECFC-04GD53RW1SC	DECFC-08GD53RW1SC	DECFC-16GD53RW1DC	DECFC-32GD53RW1DC	DECFC-64GD53RW1DC	DECFC-A28D53RW1DC