Datasheet

iCF
4000 series

- iSMART disk health monitoring
- Intelligent error recovery system
- Excellent data transfer speed
- Mechanical design for anti-vibration



Introduction

The Innodisk Industrial CompactFlash® 4000 Memory Card (iCF 4000) 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.

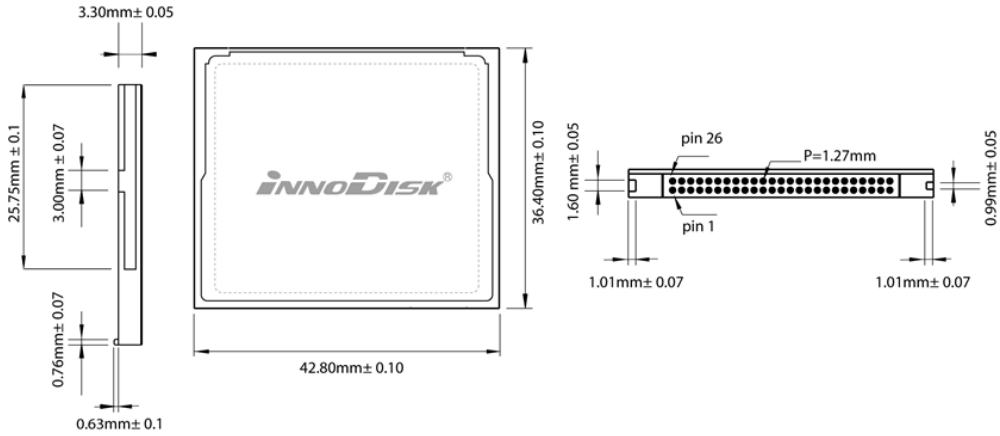
Designed to replace traditional rotating disk drives, Innodisk Industrial CompactFlash® 4000 Memory Cards are embedded solid-state data storage systems for mobile computing and the industrial work place. The Industrial CompactFlash® features an extremely lightweight, reliable, low-profile form factor. Industrial CompactFlash® 4000 (iCF 4000) support advanced PIO (0-6), Multiword DMA (0-2), Ultra DMA (0-4) transfer mode, multi-sector transfers, and LBA addressing.

iCF 4000 series

Contact us for more information about the iCF 4000

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	SLC
Capacity	128MB~8GB
Max. Channels	2
Sequential R/W (MB/sec, max.)	40/20
Max. Power Consumption	0.73W(5V x 145mA) 0.42W(3.3V x 125mA)
Thermal Sensor	-
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.	128MB	256MB	512MB	1GB	2GB	4GB	8GB
Standard Grade (0°C ~ +70°C)	DC1M-128D31C1SB	DC1M-256D31C1SB	DC1M-512D31C1SB	DC1M-01GD31C1DB	DC1M-02GD31C1DB	DC1M-04GD31C1DB	DC1M-08GD31C1DB
Industrial Grade (-40°C ~ +85°C)	DC1M-128D31W1SB	DC1M-256D31W1SB	DC1M-512D31W1SB	DC1M-01GD31W1DB	DC1M-02GD31W1DB	DC1M-04GD31W1DB	DC1M-08GD31W1DB