

Datasheet

# iCF 9000 series

- iSMART disk health monitoring
- Intelligent error recovery system
- Excellent data transfer speed
- Write protection security
- Enhanced power cycling management



## Introduction

The Innodisk Industrial CompactFlash® 9000 Memory Card (iCF 9000) 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® 9000 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® 9000 (iCF 9000) support advanced PIO (0-6), Multiword DMA (0-4), Ultra DMA (0-7) transfer mode, multi-sector transfers, and LBA addressing.

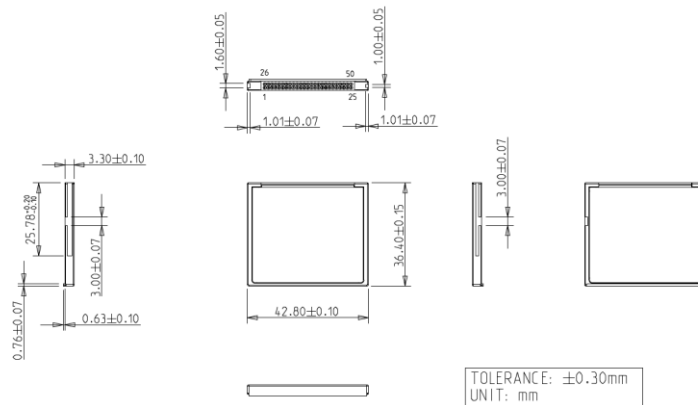
# iCF

## 9000 series

### Drawing

Contact us for more information  
about the iCF 9000

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.



#### Headquarters (Taiwan)

5F., No.237, Sec. 1, Datong Rd.,  
Xizhi Dist., New Taipei City 221,  
Taiwan (R.O.C.)

Tel: +886-2-77033000

Email: sales@innodisk.com

#### Branch Offices:

USA

[usasales@innodisk.com](mailto:usasales@innodisk.com)

+1-510-770-9421

Europe

[eusales@innodisk.com](mailto:eusales@innodisk.com)

+31-(0)40-282-1818

Japan

[jp\\_sales@innodisk.com](mailto:jp_sales@innodisk.com)

+81-45-594-7581

China

[sales\\_cn@innodisk.com](mailto:sales_cn@innodisk.com)

+86-755-21673689

[www.innodisk.com](http://www.innodisk.com)

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### Specifications

|                               |                                                                                                                 |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Interface                     | PATA                                                                                                            |
| Flash Type                    | SLC                                                                                                             |
| Capacity                      | 1GB~64GB                                                                                                        |
| Max. Channels                 | 4                                                                                                               |
| Sequential R/W (MB/sec, max.) | 110/100                                                                                                         |
| Max. Power Consumption        | 0.76W(3.3V x 230mA)                                                                                             |
| 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<br>Shock: 1500G @ 0.5ms<br>Storage Temperature: -55°C ~ +95°C<br>MTBF: 3 million hours |

### Ordering Information

| Operation Temp.                     | 1GB              | 2GB              | 4GB              | 8GB              | 16GB             | 32GB             | 64GB             |
|-------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Standard Grade<br>(0°C ~ +70°C)     | DC1M-01GD71AC2DB | DC1M-02GD71AC2QB | DC1M-04GD71AC2QB | DC1M-08GD71AC2QB | DC1M-16GD71AC1QB | DC1M-32GD71AC1QB | DC1M-64GD71AC1QB |
| Industrial Grade<br>(-40°C ~ +85°C) | DC1M-01GD71AW2DB | DC1M-02GD71AW2QB | DC1M-04GD71AW2QB | DC1M-08GD71AW2QB | DC1M-16GD71AW1QB | DC1M-32GD71AW1QB | DC1M-64GD71AW1QB |

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