

Datasheet

iCF 9000 MLC 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 (iCF9000 MLC) 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.

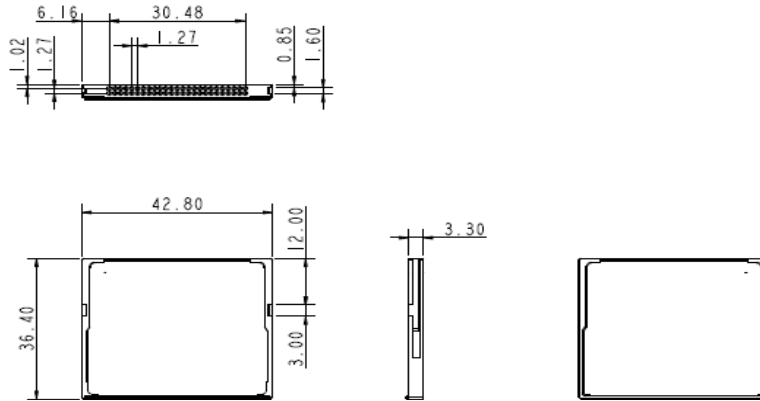
Designed to replace traditional rotating disk drives, InnoDisk Industrial CompactFlash® 9000 Memory Cards are embedded solid-state data storage systems for mobile computing and the industrial work place. The Industrial CompactFlash® features an extremely lightweight, reliable, low-profile form factor. Industrial CompactFlash® 9000 (iCF9000 MLC) support advanced PIO (0-6), Multiword DMA (0-4), Ultra DMA (0-7) transfer mode, multi-sector transfers, and LBA addressing.

iCF 9000 MLC_{series}

Contact us for more information
about the iCF 9000 MLC

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

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|----------------------------------|---|
| Interface | PATA |
| Flash Type | MLC |
| P/E Cycle limit | 3,000 |
| Capacity | 4GB~128GB |
| Max. Channels | 4 |
| Sequential R/W (MB/sec, max.) | 110/75 |
| Max. Power Consumption | 0.76W(3.3V x 230mA) |
| Thermal Sensor | - |
| H/W Write Protect | √ |
| Pin7 Power | - |
| ATA Security | Supported |
| S.M.A.R.T. | Supported |
| 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 |

Ordering Information

| Operation Temp. | 4GB | 8GB | 16GB | 32GB | 64GB | 128GB |
|-------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Standard Grade (0°C ~ +70°C) | DC1M-04GD71AC1SC | DC1M-08GD71AC1DC | DC1M-16GD71AC1QC | DC1M-32GD71AC1QC | DC1M-64GD71AC1QC | DC1M-A28D71AC1QC |
| Industrial Grade (-40°C ~ +85°C) | DC1M-04GD71AW1SC | DC1M-08GD71AW1DC | DC1M-16GD71AW1QC | DC1M-32GD71AW1QC | DC1M-64GD71AW1QC | DC1M-A28D71AW1QC |