

Datasheet

iCF 1IE series

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



Introduction

iCF 1IE is suitable in industrial field and compliant with CompactFlash® specification version 3.0. It effectively reduces the booting time of operation system and the power consumption is less than hard disk drive (HDD). iCF 1IE can work under harsh environment, and complies with ATA protocol, no additional drives are required, and the disk can be configured as a boot device or data storage device.

InnoDisk iCF 1IE adopts iSLC technology, which is designed to outdo the endurance, performance and reliability of MLC-based solutions. Through the use of flash management algorithms, iSLC improves SSD endurance up to 30,000 times, increasing lifespans up to 10 times longer than MLC-based solutions.

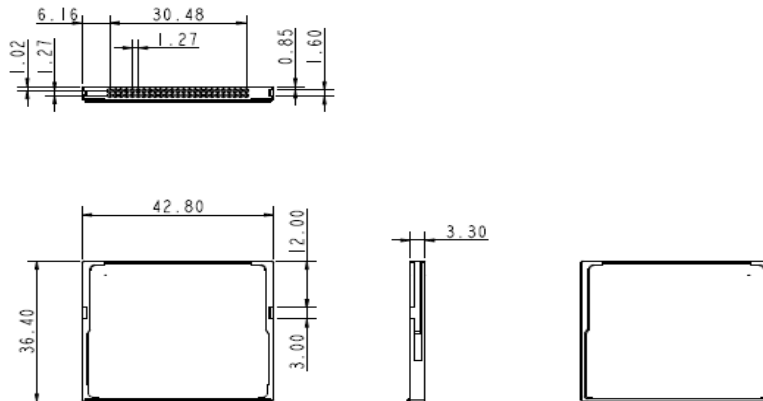
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1IE_{series}

Contact us for more information
about the CF 1IE

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	iSLC
P/E Cycle limit	30,000
Capacity	8GB~64GB
Max. Channels	2
Sequential R/W (MB/sec, max.)	45 / 30
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

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Ordering Information

Operation Temp.	8GB	16GB	32GB	64GB
Standard Grade (0°C ~ +70°C)	DC1M-08GD511C1DN	DC1M-16GD511C1DN	DC1M-32GD511C1DN	DC1M-64GD511C1DN