

EDC / iCF 8000 Series



iCF 8000/EDC 8000 series are the best-in-class 4-channel embedded solid-state data storage systems, offering high sustained read and write speed up to 80 MB/sec and 75 MB/sec with fully support of PIO 0-4/Multiword DMA 0-2/Ultra DMA 0-6 modes.

- The iCF/EDC 8000 brings the best performance among existing products in the market.
- While in a small form factor, EDC 8000 can achieve the best performance and capacity of 16GB.

• Multi-Function Switch

EDC 8000 offers an ideal customization alternative solution. Customers can choose either one of the following functions using the Multi-function Switch:

- IDE Master/Slave select
- Write Protect on/off

• Static Wear-Leveling

The innovative "Static Wear-Leveling" technology treats all NAND components as one memory unit and evens the erase count of all blocks. This implement enables iCF/EDC 8000 lifespan to be maximized by enhancing the performance with limited memory.

EDC 8000 Specifications

Item	EDC 8000-Vertical Type
Capacity	2GB~16GB
IDE Transfer Mode	PIO Mode 0-4 MwDMA Mode 0-2 UltraDMA Mode 0-6
Interface	44pin or 40pin IDE/ATA
Data Transfer Rate	Read-80MB/sec. (max.) Write-75MB/sec. (max.)
Operation Temp.	0°C~+70°C (Standard) -40°C~+85°C (Industrial)
Storage Temp.	-55°C~+95°C
Vibration (Operation)	5G (7~2000Hz)
Shock	50G/10ms
DC Input Voltage	+3.3V/+5V single power supply operation
Power Consumption	210mA (max.)
Dimension	40 pin: 27.2 x 57.8 x 9.1mm (W x L x H) 44 pin: 27.2 x 50.2 x 7.5mm (W x L x H)



EDC 8000 40pin-Standard



iCF 8000-Standard

• Bad Block Management & Error-Correction Code

The Bad Block Management and Error-Correction Code 8bit per 512Byte support ensure the data will be read correctly and thereby improve the data transfer reliability for industrial usage.

• Enhanced Power Cycling

Power safe protection functions are implemented to prevent data loss or damage during unexpected device power surge, power drop, and power off.



iCF 8000 Specifications

Item	iCF 8000
Capacity	2GB~16GB
IDE Transfer Mode	PIO Mode 0-4 MwDMA Mode 0-2 UltraDMA Mode 0-6
Interface	50pin Compact Flash
Data Transfer Rate	Read-80MB/sec. (max.) Write-75MB/sec. (max.)
Operation Temp.	0°C~+70°C (Standard) -40°C~+85°C (Industrial)
Storage Temp.	-55°C~+95°C
Vibration (Operation)	20G (7~2000Hz)
Shock	1500G/0.5ms
DC Input Voltage	+3.3V/+5V single power supply operation
Power Consumption	210mA (max.)
Dimension	36.4 x 42.8 x 3.3 mm (W x L x H)