

## CF To IDE Adapter User' s Manual

### 【Brief】

Compact-Flash(CF) card is a moveable electronic solid-state-disk(SSD) with IDE interface. It's a small card with mass space. We have developed CF to IDE converter for your convenience. You can read CF card on IDE port.

CF card is low cost. It is widely used in notebook, PDA, portable instrument, or other industrial device. In electronic factory, people use CF card as hard-disk driver(HDD) to store test program, because of turning on/off power frequently will damage mechanical HDD.

### 【Characteristic】

- Accord with: CF spec Ver2.0 and IDE/ATA-33 spec.
- Standard IDE interface: true-IDE mode, support DMA-33 transfer mode.
- Support CF-I and CF-II: also support IBM micro-driver with CF-II interface.
- DE 40PIN/2.54mm or 44PIN/2.0mm female or male connector: plug card into IDE socket directly or connect to motherboard by a cable.
- CF socket mounted flexible: different CF socket can be mounted, single/double side selectable for double-side type.
- Master/Slave jumper: CF card on each side can be configured as MASTER or SLAVE.
- Use CF as DOM: Supply auto select from IDE40 pin-20 or FDD power connector, or from IDE when use IDE44.

### 【Main purpose】

Computer peripheral device factory use it to test mainboard, audio card, display card, etc. In these case need power on/power off frequently, the mechanical HDD will be damaged easily. CF card is an electronic HDD, and not the same principle, will not be damaged under these case.

Portable instrument with X86 or RISC core normally have IDE interface, if the CF card can not connect to it directly, you can use this converter to do that.

Personal computer(PC): These computers with X86 Core, these is the main purpose. Some digital camera have CF card interface. you can use this converter to access your photograph data on your desktop computer.

Industrial PC use this converter and CF card to store embedded operating system(OS) such as LINUX or WINCE. Also in industrial PC you can store data on CF card and thus makes data moveable.

### 【Master/Slave setting Jumpers】

Jumper normally has a small white triangle beside pin-1, or has a "1" beside pin-1. Each jumper has a cap.

For double-side type(Jumper has 3 pins):

	Cap on Pin 1-2	Cap on Pin 2-3
front /back CF mode	master/slave	slave/master

For single-side type(Jumper has 2 pins):

	Close	Open
CF mode	master	slave

### 【Product models list】

Model	IDE pins	IDE is Male or Female	Number of CF	Pins of Setting Jumper	VCC from pin20	DMA support	Iron rack	LEDs
CF-IDE40 V.A1	40	Male/ Female	Double	3	Yes	Yes	No	Active
CF-IDE40 V.D1 CF-IDE40 V.D2	40	Male	Single	2	No	Yes	Yes	Active
CF-IDE44 V.B1	44	Male/ Female	Single	2	No	Yes	No	Active
CF-IDE40 V.E0	40	Female	Double	3	Yes	Yes	No	Active/Power/Detect