User Manual

Introduction

The IDE2CF-A1 is an adapter for connecting a compact flash memory card to a 2.5” or 3.5” IDE host interface, aiming at educational sectors, IT development, and the embedded technology enthusiast to enable the use of a compact flash card as an IDE hard drive.

Compact Flash disks offer the benefit of low power consumption, low operating temperature, no acoustic noise, shock resistance, and fast read access time.

IDE2CF-A1 adapter is transparent to the operating system and does not require any drivers. With this adaptor, the host PC will identify the inserted Compact Flash as a standard IDE hard disk (i.e. with cylinders, heads and sectors). As such, you can install any operating systems and the compact flash card will be bootable. Due to this, the Compact Flash is not hot swappable.

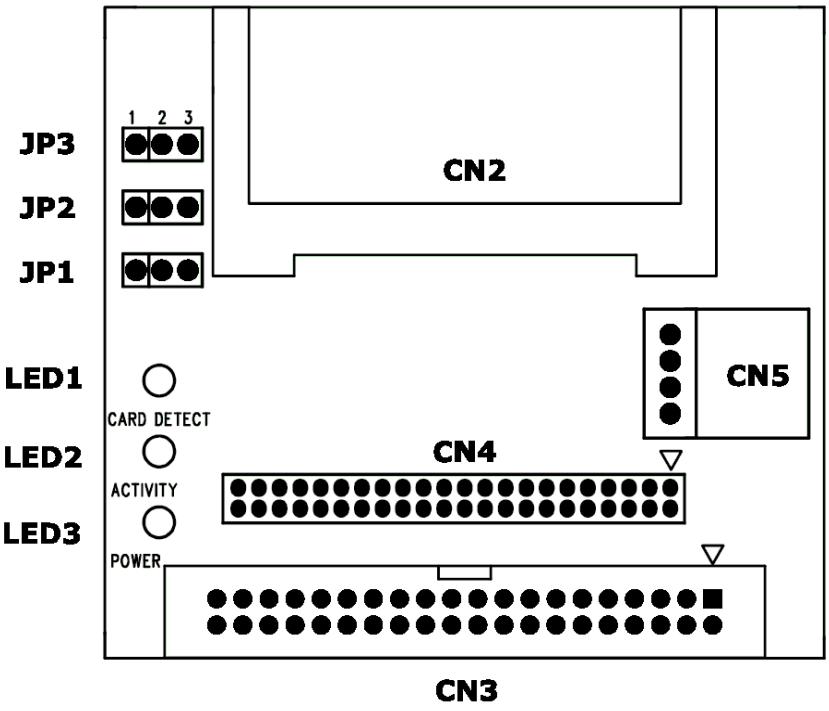
Applications

- Linux-based set-top boxes, routers, firewalls
- Diskless network clients
- Industrial computers
- Any other device requiring rugged solid-state storage

Specification

- Board size: 70mm x 63mm x 1.3mm (W, L, T)
- On-board LED indicators for power-on and compact flash access
- Voltage selection for +3.3V or +5V compact flash
- Master or slave mode selection
- Power input: +5V, floppy disk drive power connector
- Fully compatible with Compact Flash Type I, Type II, and Micro-drive
- 40-way (2.54mm) standard IDE connector
- 44-way (2mm) laptop IDE connector (not available)
- Mounting holes for rear bracket (optional)
- This adapter does NOT support hot insertion of CF cards

Layout



CN2 – Compact Flash socket

CN3 – 40-way (2.54mm pitch) standard IDE connector

CN4 – 44-way (2mm pitch) laptop IDE connector (not available)

CN5 – Floppy disk drive power connector

LED1 – Compact Flash memory card-detect indicator

LED2 – Memory access activity indicator

LED3 – Power-on indicator

Jumper Settings

(*) = Default factory set

JP1 – Compact Flash power source selection:

1-2 (*)	From external (CN5) or 44-way laptop IDE connector (CN4)
2-3	From the 20th pin of 40-way standard IDE connector (CN3), for VIA EPIA series motherboard

JP2 – Compact Flash voltage selection:

1-2 (*)	+5.0 Volts
2-3	+3.3 Volts

JP3 – Compact Flash mode selection:

1-2 (*)	Master / Single
2-3	Slave

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The IDE2CF-B1 is an adapter for connecting a compact flash memory card to a 3.5" IDE host interface, aiming at educational sectors, IT development, and the embedded technology enthusiast to enable the use of a compact flash card as an IDE hard drive.

Compact Flash disks offer the benefit of low power consumption, low operating temperature, no acoustic noise, shock resistance, and fast read access time.

IDE2CF-B1 adapter is transparent to the operating system and does not require any drivers. With this adaptor, the host PC will identify the inserted Compact Flash as a standard IDE hard disk (i.e. with cylinders, heads and sectors). As such, you can install any operating systems and the compact flash card will be bootable. Due to this, the Compact Flash is not hot swappable.

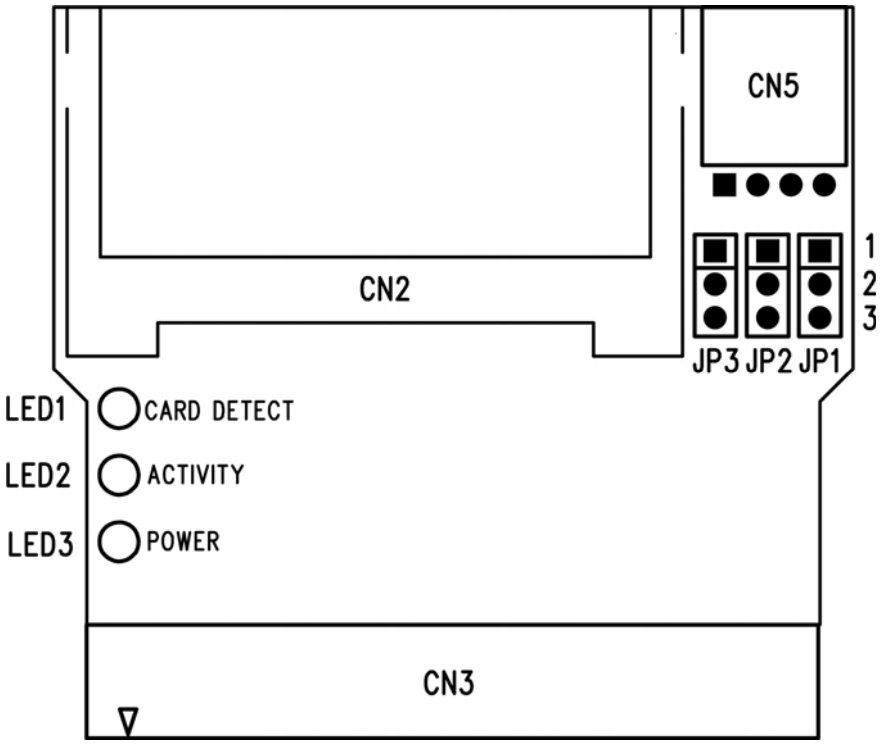
Applications

- Linux-based set-top boxes, routers, firewalls
- Diskless network clients
- Industrial computers
- Any other device requiring rugged solid-state storage

Specification

- Board size: 61mm x 54mm x 1.0mm (W, L, T)
- On-board LED indicators for power-on and compact flash access
- Voltage selection for +3.3V or +5V compact flash
- Master or slave mode selection
- Power input: +5V, floppy disk drive power connector
- Fully compatible with Compact Flash Type I, Type II, and Micro-drive
- Direct insertion into any 40-way (2.54mm) standard IDE connector
- Mounting holes for rear bracket (optional)
- This adapter does NOT support hot insertion of CF cards

Layout



CN2 – Compact Flash socket

CN3 – 40-way (2.54mm pitch) Female IDE connector

CN5 – Floppy disk drive power connector

LED1 – Compact Flash memory card-detect indicator

LED2 – Memory access activity indicator

LED3 – Power-on indicator

Jumper Settings

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JP1 – Compact Flash power source selection:

1-2 (*)	From external (CN5)
2-3	From the 20th pin of 40-way standard IDE connector (CN3), for VIA EPIA series motherboard

JP2 – Compact Flash voltage selection:

1-2 (*)	+5.0 Volts
2-3	+3.3 Volts

JP3 – Compact Flash mode selection:

1-2 (*)	Master / Single
2-3	Slave