

CFW-002

PC104+ expansion card with 10-CAN, 2-firewire and audio I/O



The CFW-002 board is PC104+ standard expansion card directly connected to the PC104+ bus. The board has 10 CAN Bus 2.0B links, 2 IEEE 1394 (Firewire) high speed ports, one stereo microphone preamplifier and a single D-Class speaker output.

The CFW-002 is designed to operate with the PC104+ CPU (Linux based). The device drivers are available for Linux (2.6.x kernel) which enable high bandwidth, low latency data stream towards and from the PC104+ card.

Specifications

Power supply	3.3V,5V and 12V
Communication	10x ESD-protected CAN Bus ports, 1Mbps. 2x Firewire 400mbps IEEE-1394 compliant ports 33MHz PCI
Audio PA maximum power	920 mWatt over 8 ohm
Audio LNA SNR	74dB
Audio PGA regulation	7-step software controlled
Onboard RAM for CAN packets FIFOs	128Kbits
Microcontrollers	2X Infineon XC2287/XC2287M, up to 80 Mhz clock
OS support	Linux 2.6.X custom device driver
PC side connection	Standard PC104+ 33Mhz PCI connector
Operating conditions	0 to 50°C, humidity <85% without condensation
Dimensions [LxWxH]	96x116x13
Weight	72 g