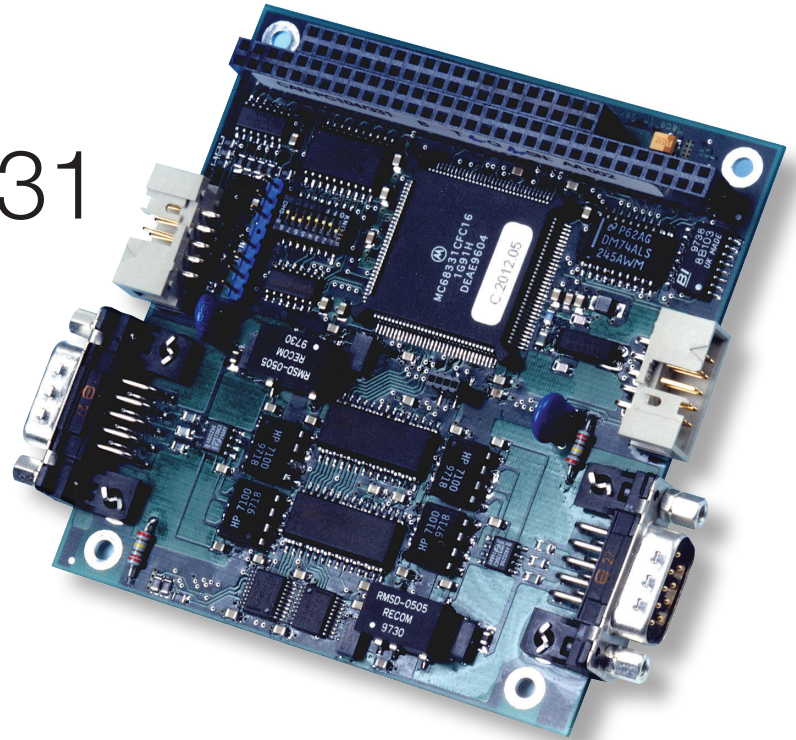




# CAN-PC104/331

## Intelligent PC104-CAN-Interface

- Interface from PC to one or two independent CAN nets
- Microcontroller 68331 on board.



## Powerful CAN Interfaces for PCs

The module CAN-PC104/331 is a 16-bits-plug-in board designed for the PC/104 bus. It uses a 68331 microcontroller, which cares for the local CAN data management. The CAN data is stored in the local SRAM, and esd guarantees data security and consistency up to 1 Mbit/s.

## CAN Interface

The ISO 11898 compliant CAN interfaces allow a data transfer rate of 1 Mbit/s. The CAN interfaces are electrically isolated from the other potentials by optocouplers and DC/DC converters.

## Software Support

The board ships with software examples in source code for DOS and Windows 3.11. Software drivers are also available for Windows, Linux, VxWorks, LynxOS, QNX, Solaris and other operating systems upon request. The firmware loads from the PC into the Flash EPROM

For further information please visit  
[http://www.esd-electronics-usa.com/CAN\\_CANopen PCI  
Interface CAN-PC104-331 One CAN Channel.html](http://www.esd-electronics-usa.com/CAN_CANopen_PCI_Interface_CAN-PC104-331_One_CAN_Channel.html)

## CAN Protocols and Real-time Operating Systems

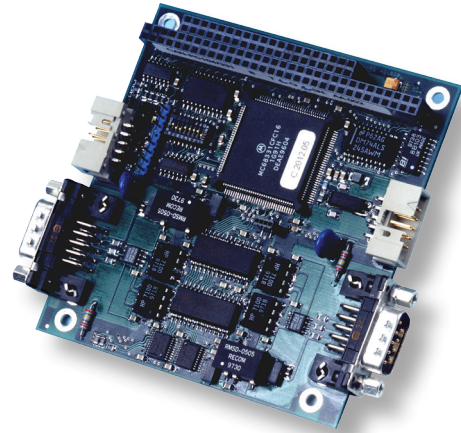
esd makes software packages available for CAL, CANopen, or DeviceNet for Windows NT, Windows 95/98, or UNIX systems.

growing with the  
challenge

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## Technical Specifications

PC/104 interface and microcontroller	
PC/104 interface	Data – IN/OUT FIFOs (512 bytes each), IRQ – 1 of 12
Microcontroller	68331
Memory equipped	128k x 16 bit SRAM, 128k x 8 bit Flash EPROM
CAN bus	
CAN controller	SJA1000, CAN 2.0 A/B
CAN interface	Differential, opto-isolated, 1 Mbit/s, ISO11898, opt. DeviceNet
General	
Temperature	1...50° C
Humidity	Max. 90% non-condensing
Supply voltage	5 VDC
Connector	CAN – 9-pole DSUB (male)

## Order Information

Designation		order no.
CAN-PC104/331-1	1x CAN, ISO11898	C.2012.02
CAN-PC104/331-2	2x CAN, ISO11898	C.2012.04
CAN-DRV-LCD	Object license CD-ROM for Windows & Linux	C.1101.02
CAN-PC104/331-VXW	VxWorks object license	C.2012.55
CAN-PC104/331-QNX4	QNX4 object license	C.2012.32
CAN-PC104/331-Co	CANopen master/slave object license	C.2012.12
CAN-PC104/331-ME	Hardware manual	C.2012.21
CAN-API-ME	Software manuals for CAN-API and DOS-API	C.2001.21
CAL/CANopen-ME	CANopen manuals	C.2002.21

