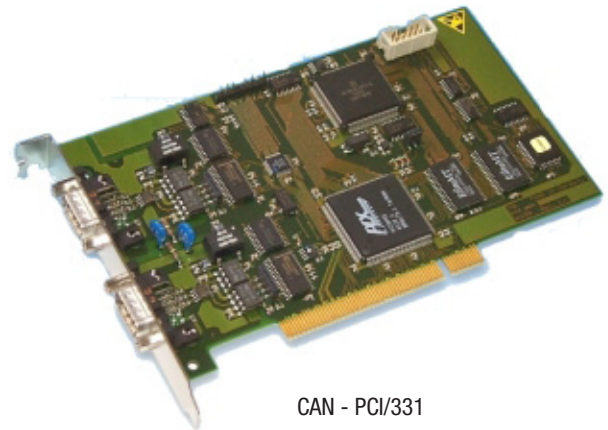




# CAN - PCI/331

## Intelligent PCI - CAN Interface

- Interface from PC to one or two independent CAN nets
- Microcontroller 68331
- CAN controller SJA1000, CAN 2.0A/B
- Software examples for DOS and Windows 3.11 in source code
- Software drivers available for many operating systems
- CANopen master-slave object license available
- Also available for DeviceNet (DN-PCI/331)



CAN - PCI/331

## Powerful CAN Interfaces for PCs

The module CAN-PCI/331 is a PC board designed for the PCI bus using a microcontroller 68331 to manage local CAN data that is stored in a local SRAM, and guaranteeing security and consistency of data for up to 1 Mbit/s.

## CAN Interface

The ISO11898 compliant CAN interfaces allow a data transfer rate of 1 Mbit/s with the ability to set the baud rate with software. The CAN interface is opto-isolated from the other potentials.

## Software Support

The board ships with software examples for DOS and Windows

For further information please visit  
<http://www.esd-electronics-usa.com/CAN PCI Interfaces.html>

3.11 in source code; software drivers are available for Windows, Linux, VxWorks, LynxOS, QNX, SGI-IRIX6.5, AIX and Solaris. Drivers for other operating systems are available as well. The firmware can be loaded from the PC into the Flash EPROM.

## CAN Protocols and Real-time Operating System

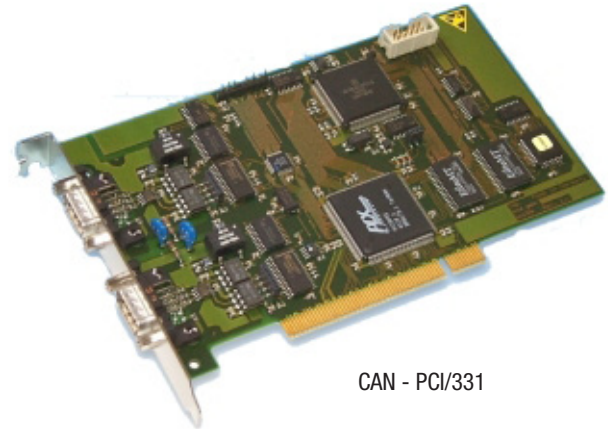
Software packages for CAL, CANopen or DeviceNet are available for Windows NT, Windows 95/98 or UNIX systems.

growing with the  
challenge

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### Technical Specifications

#### PC Interface & Microcontroller

|                 |  |
|-----------------|--|
| PCI bridge      | PLX PCI90502                                       |
| Microcontroller | 68331  |
| Memory equipped | 128 k x 16 bits SRAM<br>128 k x 8 bits Flash EPROM |

#### CAN Bus:

|                |   |
|----------------|---|
| CAN controller | SJA1000, CAN 2.0A/B   |
| CAN interface: | Differential, opto-isolated, 1 Mbit/s<br>ISO11898, opt. DeviceNet |

#### General:

|                |   |
|----------------|---|
| Temperature    | 0...50o   |
| Humidity       | Max 90%, non-condensing                                       |
| Supply voltage | 5 VDC   |
| Connectors:    | CAN: 9-pole DSUB (male)<br>DeviceNet-option: 5-pole connector |

<http://www.esd-electronics-usa.com/CAN PCI Interfaces.html>

### Order information:

| Designation      |                                      | order no. |
|------------------|--------------------------------------|-----------|
| CAN-PCI/331-1    | 1x CAN, ISO11898                     | C.2020.02 |
| CAN-PCI/331-2    | 2x CAN, ISO11898                     | C.2020.04 |
| DN-PCI/331-1     | 1x DeviceNet                         | C.2017.02 |
| DN-PCI/331-2     | 2x DeviceNet                         | C.2017.04 |
| <b>Options:</b>  |                                      |           |
| CAN-DRV-LCD      | License for Windows & Linux (CD-ROM) | C.1101.02 |
| CAN-PCI/331-RTX  | License for Windows RTX              | C.2020.35 |
| CAN-PCI/331-Vx   | License for Vx-Works                 | C.2020.55 |
| CAN-PCI/331-QNX  | License for QNX4                     | C.2020.32 |
| CAN-PCI/331-Lynx | License for LynxOS                   | C.2020.31 |
| CAN-PCI/331-AIX  | License for AIZ                      | C.2020.28 |
| CAN-PCI/331-Co   | CANopen master/slave License         | C.2020.12 |
| DN-PCI/331-NT    | Windows NT Driver                    | C.2017.11 |



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