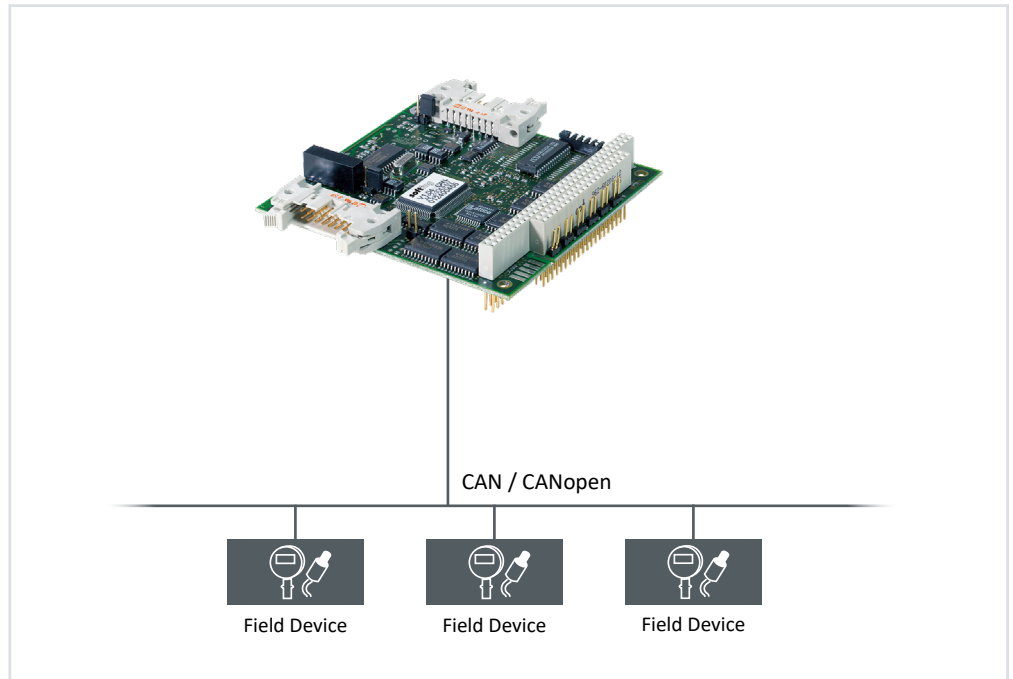


# CAN-AC PC/104

Universal PC/104 Boards with On-Board Microcontroller

- Single and dual channel interface boards in PC/104 format for use in CAN and CANopen networks.



## Flexible Interface for Industrial and Embedded PCs

- Data exchange between PC applications and connected CAN bus
- Available in single and dual channel versions
- Universal solution matching almost any CAN application
- Use, for instance, in machine controllers, PC-based applications, test rigs or real-time simulations
- Integration in Mathworks xPC Target

## Rapid Integration with Right Software Interface

- Flexible API including FIFO storage buffering all sent and received messages, separately for each channel
- No data loss when computer working on other tasks
- Filtering and buffering of messages of interest
- Automatic transmission of data to bus in exact, individually configurable cycles
- Free CANopen Client API available for use in CANopen networks

## Suitable for Many Target Systems and Harsh Environments

- Support of Windows and many other operating systems and real-time environments
- Extended temperature version available supporting operating temperature range between -40 °C and +85 °C
- Interface adjustable according to special requirements for series use, including hardware adaptations

# CAN-AC PC/104

## Technical Data

### CAN Protocol and Available APIs

CAN V2.0 (11/29 Bit IDs)  
CAN API  
CANopen Client API

### CAN Bus Connection

|                       |   |
|-----------------------|---|
| Connector             | 9-pin D-sub male on ribbon cable                                      |
| No. of Channels       | 2   |
| Galvanically Isolated | •   |
| Physical Layer        | ISO 11898-2 (CAN High Speed)  |
| PC Interface          | PC/104, 8 Bit, 4 KB address space in the range of C0000xH ... FFC00xH |
| Interrupts            | 5, 9, 10, 11, 12, 15  |
| Operating Temperature | -40 °C ... +85 °C   |
| Storage Temperature   | -40 °C ... +85 °C   |
| Relative Humidity     | < 90 %, non-condensing  |
| Dimensions            | 90,2 mm x 96 mm   |

### Power supply

|                       |  |
|-----------------------|--|
| Supply voltage        | 5 VDC (±5 %)   |
| Current consumption   | Typically 130 mA   |
| Drivers available for | Windows XP, Windows 7, Windows 8, Windows 10, DOS, Linux |

Conformity



## Scope of Delivery

|               |  |
|---------------|--|
| Hardware      | PC interface board   |
| Software      | <a href="#">Download from the Softing website</a> : Drivers, APIs, sample programs |
| Documentation | <a href="#">Download from the Softing website</a>                                  |

## Order Numbers

|               |   |
|---------------|---|
| CAN-AC2-104/I | <b>Dual Channel, Extended Temperature Range</b> |
|---------------|---|

Your local Softing contact:

<http://industrial.softing.com>

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