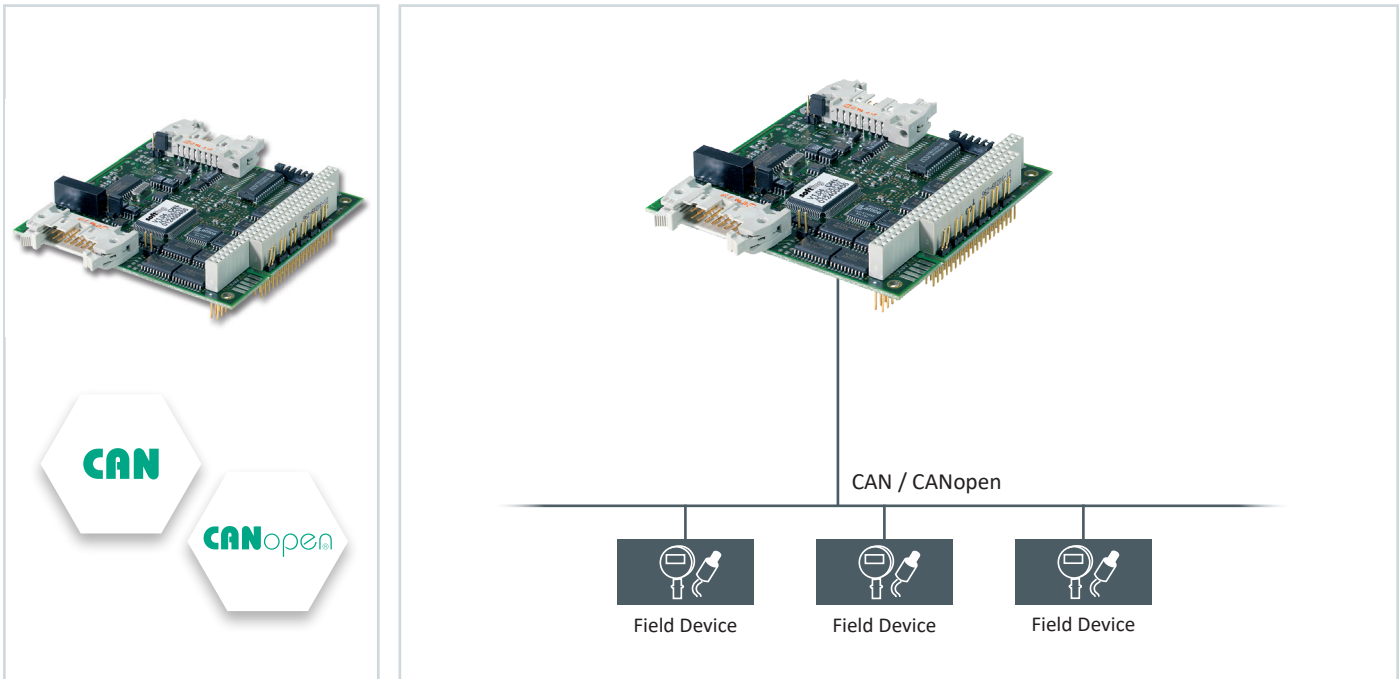


# CAN-AC PC/104

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

	Single Channel	Dual Channel	Dual Channel, Extended Temperature Range
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### 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	1	2	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 0 °C ... +70 °C -40 °C ... +85 °C

Storage Temperature -20 °C ... +70 °C -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 90 mA	Typically 130 mA	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	Drivers, APIs, sample programs on CD-ROM
Documentation	On CD-ROM

## Order Numbers

	Single Channel	Dual Channel	Dual Channel, Extended Temperature Range
	CAN-AC1-104	CAN-AC2-104	CAN-AC2-104I

Your local Softing contact:

<http://industrial.softing.com>

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