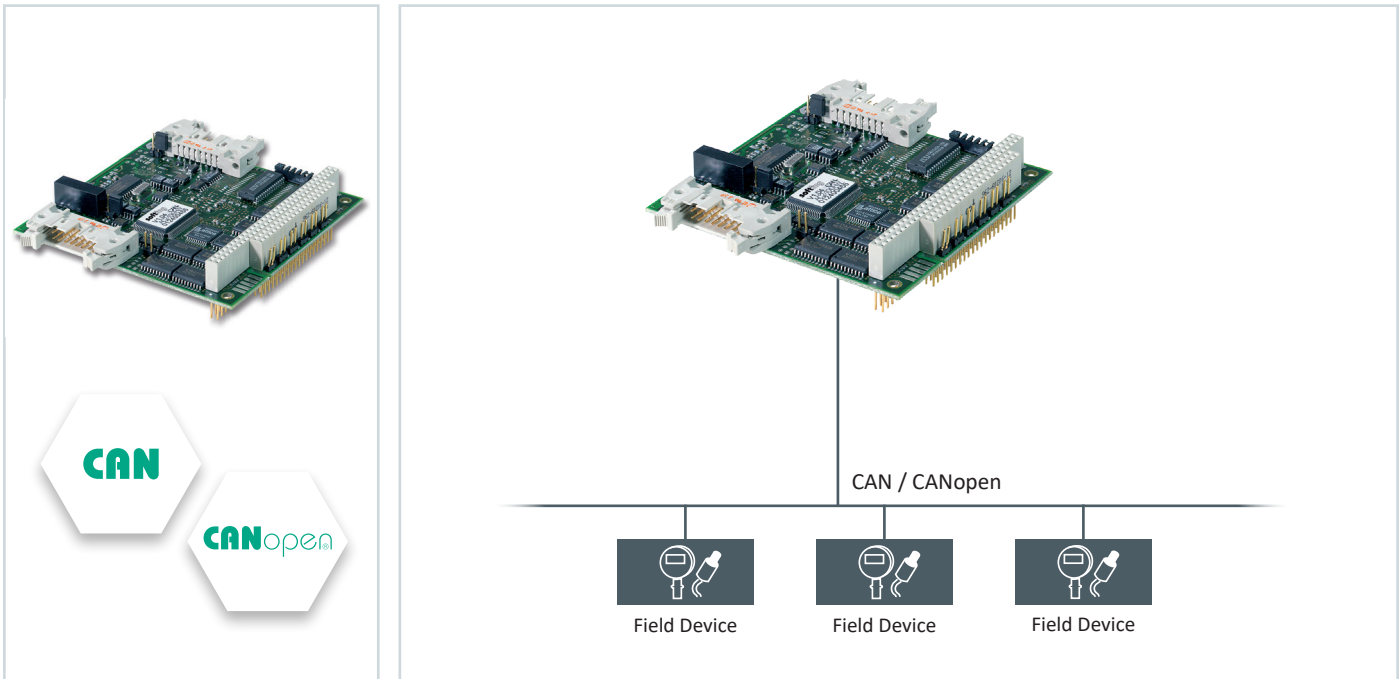


CAN-AC PC/104

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
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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