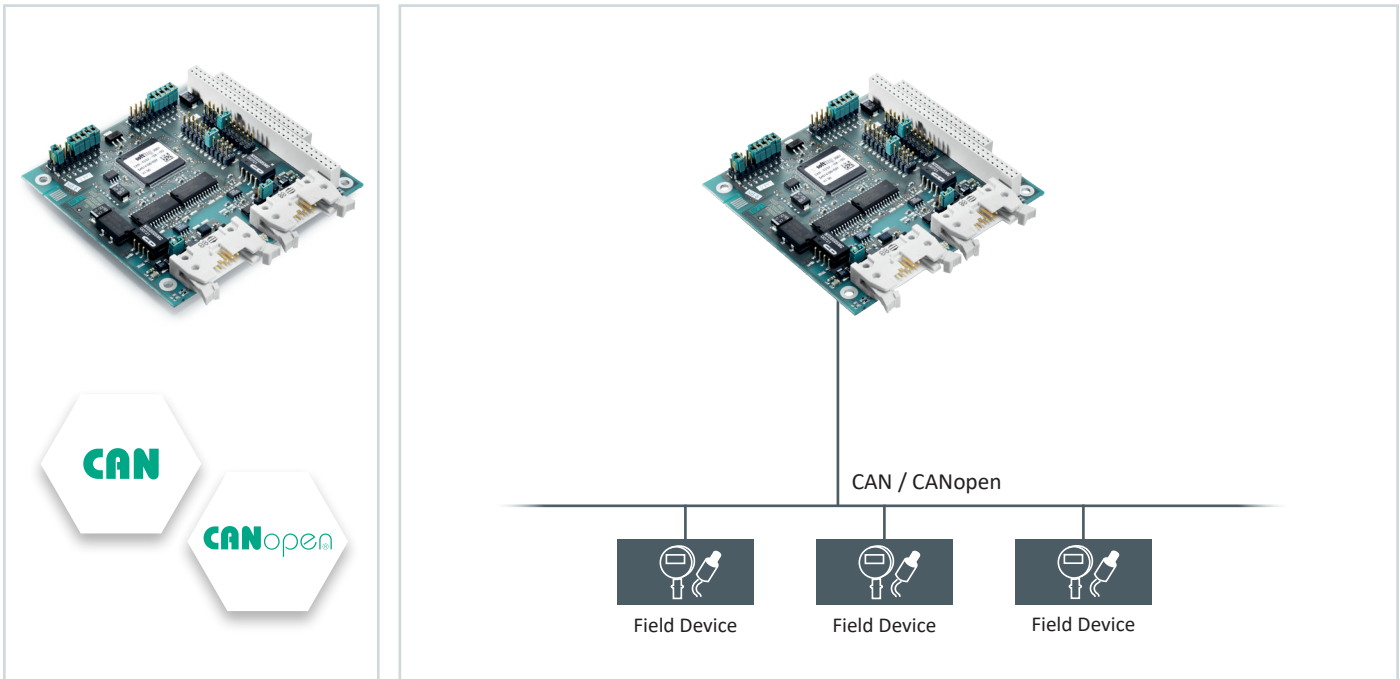


# CAN-OEM-104

Low-Cost Passive PC/104 Boards Without Microcontroller

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



## Low Cost Interface for Industrial and Embedded PCs

- Data exchange between PC applications and connected CAN bus
- Available in single and dual channel versions
- Optional galvanic isolation
- Efficient solution meeting specific technical and cost requirements of almost any CAN application
- Use, for instance, in machine controllers, medical applications or energy technology
- Cost optimization through standard off-the-shelf versions

## Rapid Integration with Right Software Interface



- API including FIFO storage buffering all sent and received messages, separately for each channel
- No data loss when computer working on other tasks
- Free CANopen Client API available for use in CANopen networks

## Suitable for Many Target Systems and Harsh Environments

- Use in Windows operating systems
- Linux driver
- Standard version supporting operating temperature range between -20 °C and +75 °C
- Interface adjustable according to special requirements for series use, such as protective coating or different cable lengths

# CAN-OEM-104

## Technical Data

	Single Channel	Single Channel, isolated	Dual Channel	Dual Channel, isolated
<b>CAN Protocol and Available APIs</b>				
CAN V2.0 (11/29 Bit IDs)	•	•	•	•
CAN API	•	•	•	•
CANopen Client API	•	•	•	•
<b>CAN Bus Connection</b>				
Connector		9-pin D-sub male on ribbon cable		
No. of Channels	1	1	2	2
Galvanically Isolated		•		•
Controller		SJA1000		
Physical Layer		ISO 11898-2 (CAN High Speed)		
PC Interface	PC/104, 8 Bit, 1 KB address space in the range of C0000xH ... FFC00xH			
Interrupts	3, 4, 5, 6, 7, 9, 10, 11, 12, 14, 15			
Operating Temperature	-20 °C ... +75 °C			
Storage Temperature	-40 °C ... +85 °C			
Relative Humidity	< 90 %, non-condensing			
Dimensions	90,2 mm x 96 mm			
Weight	Approximately 70 g	Approximately 70 g	Approximately 80 g	Approximately 80 g
<b>Power Supply</b>				
Supply Voltage	5 VDC (±5 %)			
Current Consumption	Typically 90mA	Typically 130 mA	Typically 130 mA	Typically 210 mA
Drivers Available for	Windows XP, Windows 7, 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	Single Channel, isolated	Dual Channel	Dual Channel, isolated
	CAN-OEM1-104	CAN-OEM1-104-ISO	CAN-OEM2-104	CAN-OEM2-104-ISO

## Additional Products and Services

CAN-104-CBL/STD	CAN connection cable for CAN-OEM-104 with 9-pin D-sub connector, length approximately 17 cm
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