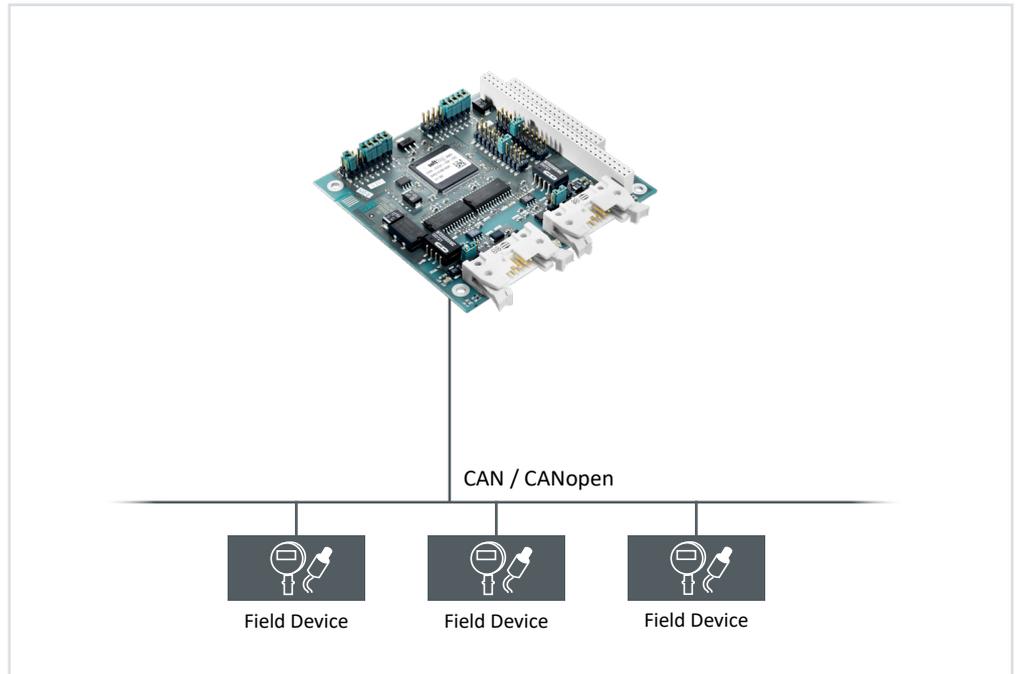# CAN-OEM-104

## 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.**

CAN    CANopen

**Last Time Buy:**
**30.06.2023**

**DISCONTINUED**

**End of Support:**
**30.12.2024**

CAN / CANopen

Field Device    Field Device    Field Device

### 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

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# CAN-OEM-104

## Technical Data

| | Single Channel | Dual Channel |
|---|:---:|:---:|
| **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 |
| 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 80 g |
| **Power Supply** | | |
| Supply Voltage | 5 VDC (±5 %) | |
| Current Consumption | Typically 90mA | Typically 130 mA |
| Drivers Available for | Windows XP, Windows 7, DOS, Linux | |
| Conformity | CE   RoHS COMPLIANT | |

## Scope of Delivery

| | |
|---|---|
| Hardware | PC interface board |
| Software | Download from the Softing website: Drivers, APIs, sample programs |
| Documentation | Download from the Softing website |

## Order Numbers

| Single Channel | Dual Channel |
|:---:|:---:|
| CAN-OEM1-104 | CAN-OEM2-104 |

## 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 |

Your local Softing contact:

**http://industrial.softing.com**

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