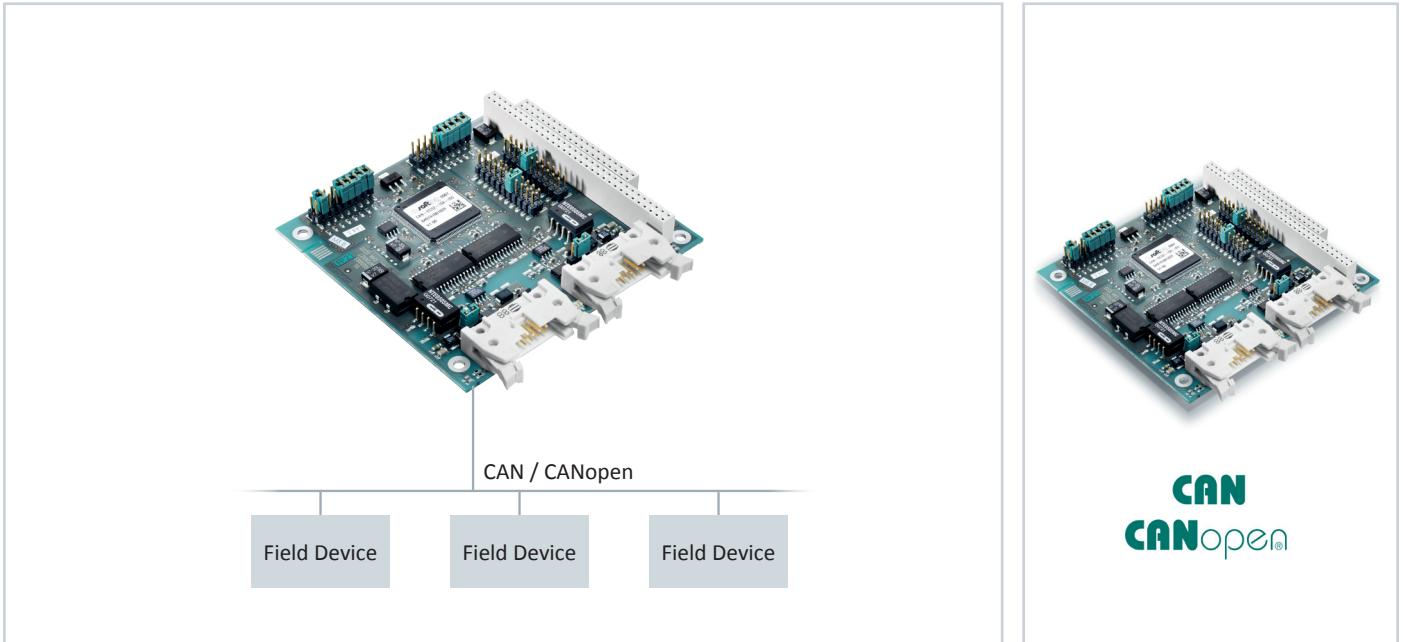


CAN-OEM-104

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

Technical Data

	Single Channel	Single Channel, isolated	Dual Channel	Dual Channel, isolated
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	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
Power Supply				
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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