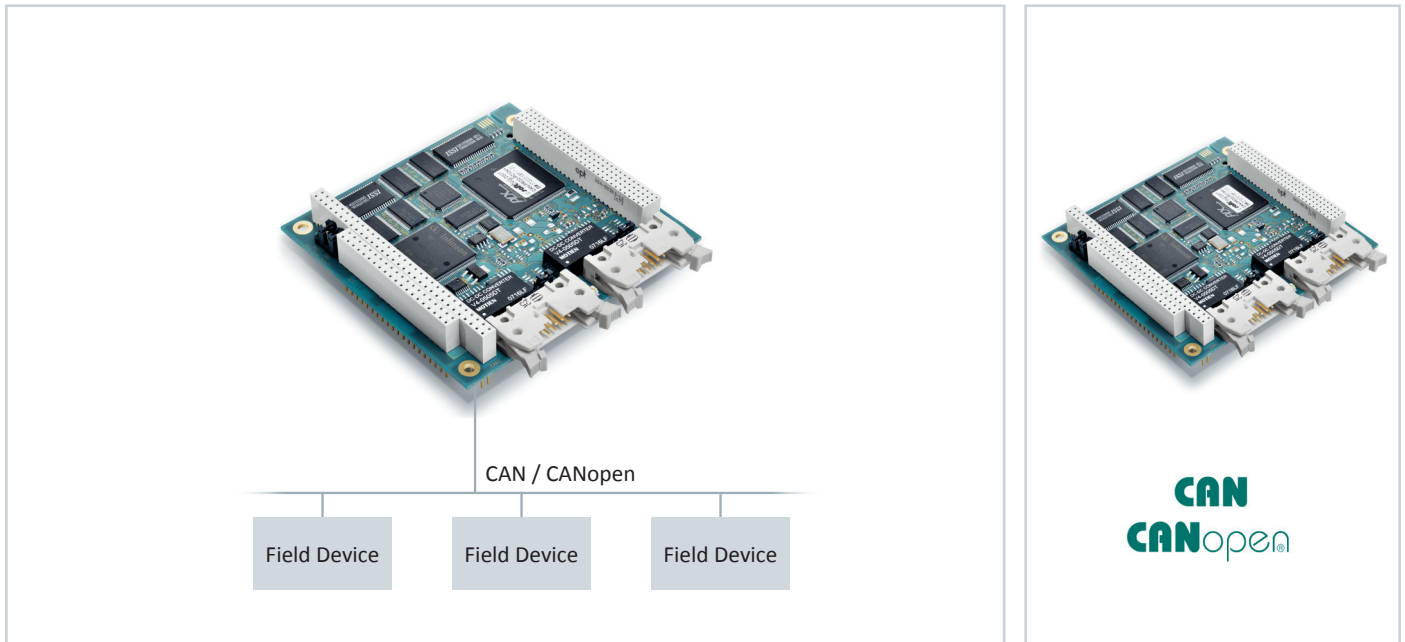


CANpro PC/104plus

Universal PC/104plus Boards with On-Board Microcontroller

Single and dual channel interface boards in PC/104plus 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 or test rigs




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

- Use in Windows operating systems
- Linux driver
- Extended temperature version available supporting operating temperature range between -40 °C and +85 °C
- Interface adjustable according to customer specifications, including hardware adaptations

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/104plus V2.0, 512 KB Shared RAM		
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 / 3.3 VDC (±5 %)		
Current consumption	Typically 300 mA / 150 mA	Typically 350 mA / 150 mA	Typically 350 mA / 150 mA
Drivers available for	Windows XP, Windows 7, Windows 8, Windows 10, Linux		
Conformity	  		

Scope of Delivery

Hardware	PC interface board, ribbon cable with D-sub connector
Software	Drivers, APIs, sample programs on CD-ROM
Documentation	On CD-ROM

Order Numbers

Single Channel	Dual Channel	Dual Channel, Extended Temperature Range
CAN-PRO1-PC104+	CAN-PRO2-PC104+	CAN-PRO2-PC104+XT

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