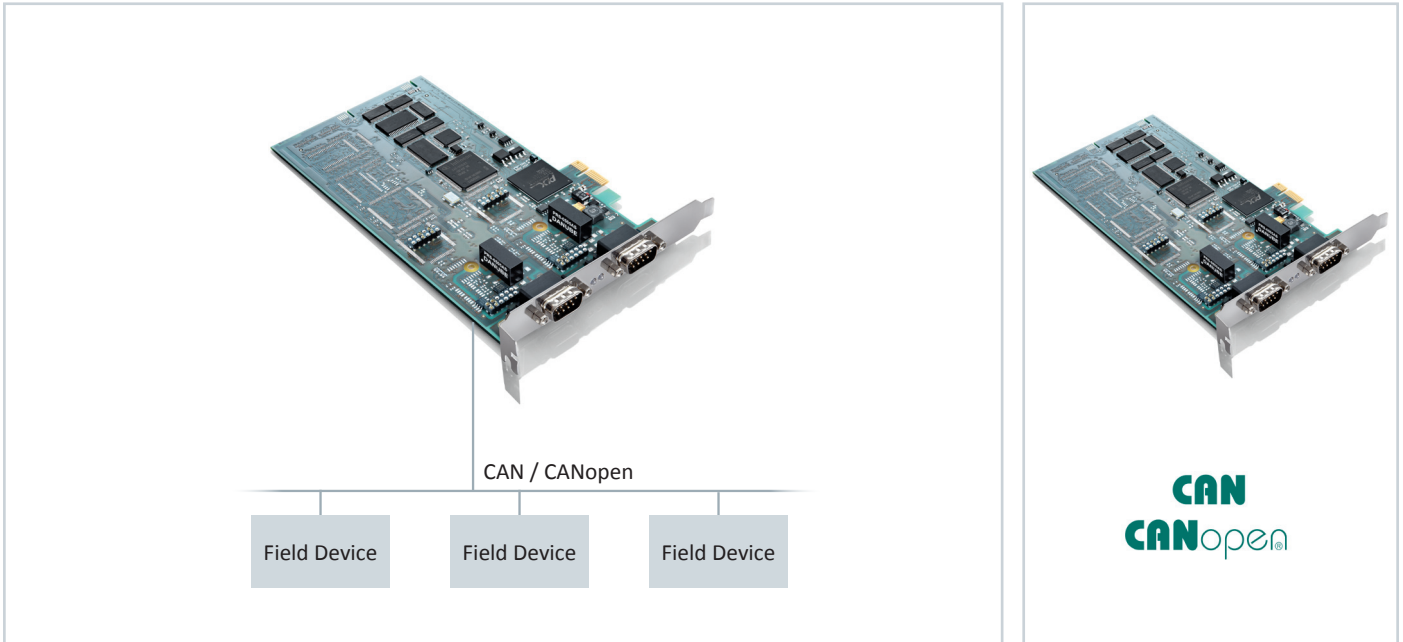


CANpro PCI Express

Universal PCI Express Boards with On-Board Microcontroller

Single and dual channel interface boards in PCI Express 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

Application in a Wide Variety of Target Systems

- Use in Windows operating systems
- Linux driver
- Sample projects for C, C# or VB.NET with commented source code

Technical Data

	Single Channel ¹	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	
No. of Channels	1	2
Galvanically Isolated	•	•
Physical Layer	ISO 11898-2 (CAN High Speed)	
PC Interface	PCI Express x1 According to PCIe r1.0a and CEM 1.1, 512 KB Shared RAM per Channel	
Interrupts	Plug-and-Play	
Operating Temperature	0 °C ... +70 °C	
Storage Temperature	-20 °C ... +70 °C	
Relative Humidity	< 90 %, non-condensing	
Dimensions	168 mm x 69 mm	168 mm x 103 mm
Power supply		
Supply voltage	3.3VDC / 12VDC (± 5%)	
Current consumption	Typically 500 mA / 60 mA	Typically 500 mA / 90 mA
Drivers available for	Windows XP, Windows 7, Windows 8, Windows 10, Linux	
Conformity	  	

¹ Also available with low profile slot bracket

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
CAN-PRO1-PCIE (CAN-PRO1-PCIE/LP)	CAN-PRO2-PCIE

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