

CANpro PCI Express

Universal PCI Express boards with onboard microcontroller

Single and dual channel interface boards in PCI Express format for use in CAN and CANopen networks.

FLEXIBLE INTERFACE FOR STANDARD SOFTWARE AND SELF-DEVELOPED APPLICATIONS

CANpro PCI Express allows PC applications to exchange data with the connected CAN bus. Available in single and dual channel versions with a flexible programming interface, and in a low profile version for ultra compact PC systems, CANpro PCI Express is a universal interface solution for almost any CAN application - whether it's bus analyzers, machine controllers or test rigs.

RAPID INTEGRATION WITH THE RIGHT SOFTWARE INTERFACE

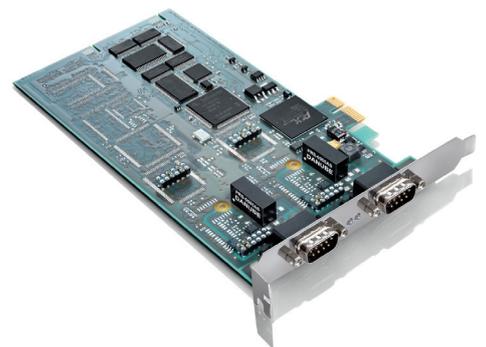
CANpro PCI Express provides an API that can be optimally configured to the application's requirements. In FIFO mode, all sent and received messages are buffered to ensure that no data is lost when the computer is busy with other work. The Object Buffer mode allows the application to filter messages of interest, and automatically buffers the data recently received by the application. The application can use this data when needed, and is not burdened with the other messages. The CANpro PCI Express interface board can automatically transmit the data on the bus in exact, individually configurable cycles.

A CANopen Client API is also included for use in CANopen networks.

Sample projects with commented source code demonstrate how the boards are used with C, C# or VB.Net.

CUSTOMER BENEFITS

- > Low profile version allows ultra compact systems
- > Optimum integration through flexible API
- > Quick and easy to get started thanks to many source code samples



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 .. +55 °C		
Storage temperature		
-20 °C .. +70 °C		
Relative humidity		
< 90%, non-condensing		
Dimensions [mm]		
	168 x 69	168 x 103
Power supply		
Supply voltage	3.3V / 12V (± 5%) DC	
Current consumption [mA]	typ. 500 / 60	typ. 500 / 90
Drivers available for		
Windows 7	●	●
Windows Vista	●	●
Windows XP	●	●
Windows Server 2008	●	●
Windows Server 2003 R2	●	●
Windows 2000	●	●
Linux	●	●
Conformity		
	  	
Included in package	PC interface board, CD with drivers, documentation and sample programs	

ORDER NUMBER

	CAN-PRO1-PCIE (CAN-PRO1-PCIE/LP ¹⁾)	CAN-PRO2-PCIE

ADDITIONAL PRODUCTS AND SERVICES

X-ANALYSER	CAN Bus Analyzer, full version
X-ANALYSER-ECO	CAN Bus Analyzer, economy version
X-ANALYSEROPT/CO	Option: CANopen interpretation for X-Analyzer
X-ANALYSEROPT/DN	Option: DeviceNet interpretation for X-Analyzer
X-ANALYSEROPT/19	Option: J1939 interpretation for X-Analyzer

¹⁾ also available with low profile slot bracket

Softing Industrial Automation is a world leading provider of industrial communication products and technologies for manufacturing and process automation. Our products are tailored to the requirements of system integrators, device vendors, machine and equipment manufacturers or end users and are known for their ease of use and functional advantages.

Softing Industrial Automation GmbH
Richard-Reitzner-Allee 6
85540 Haar / Germany

Tel.: +49 89 4 56 56-340
Fax: +49 89 4 56 56-488
info.automation@softing.com
industrial.softing.com