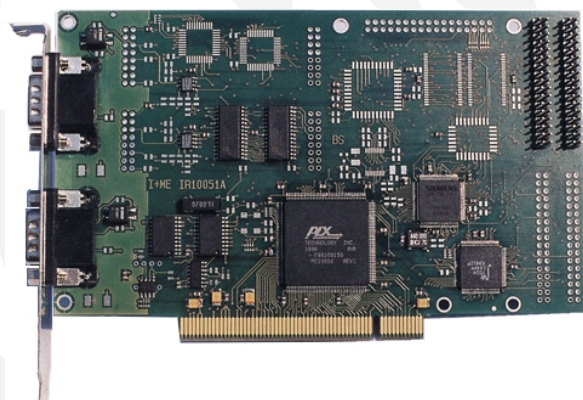# PCI/CAN-Interface PCI-IntelliCAN

Highlights

- intelligent PC interface board with fast 16-bit microcontroller for real-time applications
- support of 2 channels CAN Part 2.0B active
- easy interfacing between PCs and CAN-networks
- Hardware configuration via PCI software services, plug-and-play
- data monitoring
- on-board data (pre-) processing

Description

The increasing number of PCI slots and the high demand on real-time networks dominate today's PC world. The dual-channel *PCI-IntelliCAN* board is a special design for PCs with PCI slots. The *PCI-IntelliCAN* is designed for real-time data acquisition and processing by using a fast 16-bit microcontroller

Hardware configuration via PCI software services (plug-and-play). A DPRAM interface for host interfacing is available. The customer can use LevelX (DLL) for the easy programming of own complex applications. With the *PCI-IntelliCAN* a powerful hardware solution is available for a CAN interface card.

Technical Data

size	108 x 155 mm
power supply	from PC
temperature range	0 to +70°C
processor types	C165 @ 20 MHz
memory	8 kB DPRAM 16 bit 12 kB SRAM 16 bit 28 kB FLASHROM 8 bit optional: 512 KB
CAN controller	SJA 1000
operating system	Windows9x,NT,2000,XP
CAN connector	CAN I: 9-pin Sub-Min-D, CiA standard CAN II: 9-pin Sub-Min-D, CiA standard
PC bus interface	PCI-BUS
PIN-Connector	- serial sync. - serial async. - 4 x digital in/out - 5 x digital in - optional 8x analog in (10 bit resolution; 0 V to 5 V)

Scope of Delivery

- board PCI-IntelliCAN
- user manual (on CD)
- LevelX user manual (on CD)
- LevelX drivers for Windows™2000, XP, Vista
- examples for Windows

Ordering Information

0701/01   PCI-IntelliCAN

Engineering Services

port is providing engineering services and trainings for our business activities:

- CAN and CAN-based protocols: CANopen, J1939, DeviceNet
- Industrial Ethernet Protocols: POWERLINK, EtherNet/IP, EtherCAT
- Implementation of devices according to CANopen device profiles
- VHDL based solutions for industrial applications
- application specific implementations or enhancements
- embedded LINUX projects

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port GmbH
Regensburger Straße 7b
D-06132 Halle/Saale
+49 345 777 55 0
service@port.de