

CAN-PCIL

Passive CAN / CANopen Interface for PCI Expansion Slots

CAN



PRODUCT DESCRIPTION

PCI based passive CAN card with two independent CAN/CANopen interfaces based on SJA1000 controller without dedicated processing unit.

FEATURES

Host Interface

- 32 bit PCI slave only board
- 3.3 V / 5 V PCI interface
- 33 MHz bus clock frequency
- Short form PCI factor, only one slot needed

External Interfaces

- Non-intelligent and low cost CAN controller
- Up to 2 CAN 2.0 b interfaces with SJA1000 CAN controllers
- 11 bit ID and 29 bit ID CAN specifications supported
- 9-pin D-SUB connector for each CAN interface at PCI bracket
- On-board line termination 120 Ω ; enabled by jumper or software
- 1 Mbit/s High Speed Data Transfer Rate
- Compatible to CAN Specification 2.0 b
- ISO/DIS 11898-2
- 2 x diagnostic LEDs (green/yellow) per interface

Environment

- Power requirements:
 - +5 V ($\pm 5\%$), max. 500 mA (2 channel)
- Operating temperature range 0...70 °C
- Non-operating temperature range -20 °C...75 °C
- Humidity 0...80 %, non-condensing
- Dimensions (w x d) 125 x 100 mm
- Weight approx. 85 g

Options

- Isolated CAN, 500 V isolation barrier
- 128 kB nvSRAM (no battery)
- Expansion connector for CAN-PCIx/EXTO

Software

- Supported Operating Systems: Windows, Linux, QNX, VxWorks