

PCAN-PCI (IPEH-002064 / 65 / 66 / 67)



Product Overview

The PCAN-PCI card enables the connection of a PC with PCI slots to CAN networks. The card is available as a single or dual-channel version. The opto-decoupled versions also guarantee galvanic isolation of up to 500 Volts between the PC and the CAN sides. The package is supplied with the CAN monitor PCAN-View for Windows and the programming interface PCAN-Basic.

Specifications

- • PC plug-in card for PCI slots
- • 1 or 2 High-speed CAN channels (ISO 11898-2)
- • Bit rates from 5 kbit/s up to 1 Mbit/s
- • Compliant with CAN specifications 2.0A (11-bit ID) and 2.0B (29-bit ID)
- • CAN bus connection via D-Sub, 9-pin (in accordance with CiA® 106)
- • NXP SJA1000 CAN controller, 16 MHz clock frequency
- • NXP PCA82C251 CAN transceiver
- • 5-Volt supply to the CAN connection can be connected through a solder jumper (e.g., for external bus converter)
- • Galvanic isolation on the CAN connection up to 500 V, separate for each CAN channel (only for IPEH-002066 and IPEH-002067)
- • Extended operating temperature range from -40 to +85 °C (-40 to +185 °F)

Ordering Information

Designation	Part No.
PCAN-PCI Single Channel	IPEH-002064
PCAN-PCI Dual Channel	IPEH-002065
PCAN-PCI Single Channel opto-decoupled	IPEH-002066
PCAN-PCI Dual Channel opto-decoupled	IPEH-002067

Scope of Supply

- Plug-in card PCAN-PCI
- Device drivers for Windows 11 (x64), 10 (x64), and Linux
- CAN monitor PCAN-View for Windows
- Programming interface PCAN-Basic for developing applications with CAN connection
- Programming interfaces for standardized automotive protocols
- Manual in PDF format

D-Sub Pin Assignment

Pin	Assignment
1	Not connected / optional +5V
2	CAN-L
3	GND
4	Not connected
5	Not connected
6	GND
7	CAN-H
8	Not connected
9	Not connected / optional +5V