

# PCAN-PCI Express (IPEH-003026/27)

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## Product Overview

The PCAN-PCI Express card enables the connection of a PC with PCI Express slots to CAN networks. It offers galvanic isolation of up to 500 Volts between the computer and CAN sides. Available in versions with one, two, and four channels. The package includes the CAN monitor PCAN-View for Windows and the programming interface PCAN-Basic.

## Specifications

- PC plug-in card (PCIe x1) for PCI Express slots
- 1, 2, or 4 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 (CiA® 106)
- FPGA implementation of the CAN controller (SJA1000 compatible)
- NXP PCA82C251 CAN transceiver
- Galvanic isolation on the CAN connection up to 500 V, separate for each CAN channel
- 5-Volt supply to the CAN connection can be connected through a solder jumper (e.g., for external bus converter)
- Extended operating temperature range from -40 to +85 °C (-40 to +185 °F)

## Models

Designation	Part No.
PCAN-PCI Express Single Channel galv. isolated	IPEH-003026
PCAN-PCI Express Dual Channel galv. isolated	IPEH-003027

## Scope of Supply

- Plug-in card PCAN-PCI Express
- Slot bracket with D-Sub connectors for the CAN bus (only four-channel version)
- Device drivers for Windows 11 (x64), 10 (x64), and Linux
- CAN monitor PCAN-View for Windows
- Programming interface PCAN-Basic
- 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