

PCAN-miniPCle

CAN Interface for PCI Express Mini (PCIe)

The PCAN-miniPCle card enables the connection of embedded PCs and laptops with PCI Express Mini slots to CAN networks. There is galvanic isolation of up to 300 Volts between the computer and CAN sides. The card is available as a single or dual-channel version.

The package is also supplied with the CAN monitor PCAN-View for Windows and the programming interface PCAN-Basic.



D-Sub	Pin	Pin assignment
	1	Not connected
	2	CAN-L
	3	GND
	4	Not connected
	5	Not connected
	6	GND
	7	CAN-H
	8	Not connected
	9	Not connected

Specifications

- ___ CAN interface for the PCI Express Mini slot (uses PCIe lane)
- ___ 1 or 2 High-speed CAN channels (ISO 11898-2)
- ___ CAN bus connection via connection cable and D-Sub, 9-pin (in accordance with CiA® 106)
- ___ 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)
- ___ FPGA implementation of the CAN controller (SJA1000 compatible)
- ___ NXP PCA82C251 CAN transceiver
- ___ Galvanic isolation on the CAN connection up to 300 V, separate for each CAN channel
- ___ Extended operating temperature range from -40 to +85 °C (-40 to +185 °F)

Ordering information

Designation	Part No.
PCAN-miniPCle Single Ch.	IPEH-003048
PCAN-miniPCle Dual Ch.	IPEH-003049

Scope of supply

- ___ PCAN-miniPCle card
- ___ Connection cable including D-Sub plug for each channel
- ___ Device drivers for Windows 11 (x64), 10 (x64), and Linux
- ___ CAN monitor PCAN-View for Windows (details on page 94)
- ___ Programming interface PCAN-Basic for developing applications with CAN connection (details on page 80)
- ___ Programming interfaces for standardized protocols from the automotive sector
- ___ Manual in PDF format