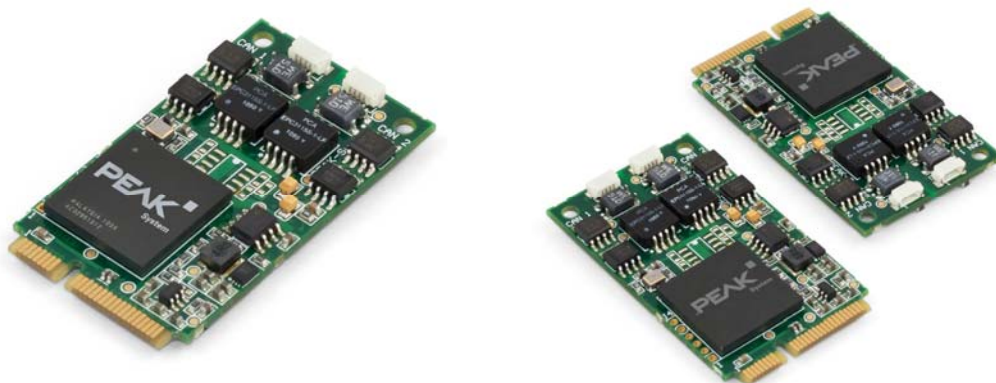


PCAN-miniPCle (IPEH-003048 / 003049) – Detailed Data Sheet



Product Description

The PCAN-miniPCle card by PEAK-System enables the connection of embedded PCs and laptops with PCI Express Mini slots to CAN networks. It provides galvanic isolation up to 300 Volts between the computer and CAN sides and is available in single or dual-channel versions. Included in the package are the PCAN-View CAN monitor for Windows and the PCAN-Basic programming interface.

Technical Specifications

Feature	Description
Interface	CAN interface for PCI Express Mini slot (uses PCIe lane)
CAN Channels	1 or 2 High-speed CAN channels (ISO 11898-2)
CAN Transceiver	NXP PCA82C251
Bit Rate	5 kbit/s to 1 Mbit/s
CAN Specification	Compliant with CAN 2.0A (11-bit ID) and 2.0B (29-bit ID)
CAN Controller	FPGA implementation (SJA1000 compatible)
Bus Connection	Via D-Sub 9-pin connector (CiA® 106 compliant)
Isolation	Galvanic isolation up to 300 V (separate per CAN channel)
Temperature Range	-40 to +85 °C (-40 to +185 °F)

D-Sub 9-Pin Connector Assignment

Pin	Assignment
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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

Scope of Supply

- PCAN-miniPCIe card (Single or Dual Channel)
- Connection cable including D-Sub plug for each channel
- Device drivers for Windows 11 (x64), Windows 10 (x64), and Linux
- PCAN-View CAN monitor software for Windows
- PCAN-Basic programming interface
- Programming interfaces for automotive protocols
- Manual in PDF format