

PCAN-USB X6 with D-Sub or M12 Connectors

6-Channel CAN and CAN FD Interface for High-Speed USB 2.0

The PCAN-USB X6 is designed for the use in test benches with hardware-in-the-loop (HIL) simulations, in product line testing, and for working with multiple CAN or CAN FD buses.

For all information about the PCAN-USB X6, just click on the following link:www.peak-system.com/quick/CiA-CPG-6

Specifications:

- USB adapter with 6 High-speed CAN channels (ISO 11898-2)
- Complies with CAN specifications 2.0 A/B and FD
- CAN FD support for ISO and Non-ISO standards switchable
- CAN bit rates from 25 kbit/s up to 1 Mbit/s
- CAN FD bit rates for the data field (64 bytes max.) from 25 kbit/s up to 12 Mbit/s
- Time stamp resolution 1 µs
- CAN connection via D-Sub, 9-pin or M12 circular connectors, 5-pin (pin assignment in accordance with CiA 303-1)
- Version with M12 connectors: Increased Ingress Protection IP64 and galvanic isolation up to 300 V, for each channel
- Versions with D-Sub connectors: High-speed USB 2.0 downstream port and optional galvanic isolation
- CAN termination at the CAN connection can be activated through solder jumpers, separately for each CAN channel
- Voltage supply from 8 to 30 V
- Extended operating temperature range from -40 to 85 °C (-40 to 185 °F)
- Measurement of bus load including error frames and overload frames on the physical bus
- Induced error generation for incoming and outgoing CAN messages
- Delivered with monitor software, APIs, and drivers for Windows® 10, 8.1, 7 and Linux (32/64-Bit)

Driver, Software, and Programming Interfaces:

Every PC interface from PEAK-System is delivered with a wide range of drivers, software, and programming interfaces. The scope of supply includes:

- CAN FD interface drivers for Windows 10, 8.1, 7 and Linux
- PCAN-View: Windows software for monitoring CAN and CAN FD busses
- PCAN-Basic API for developing applications with CAN and CAN FD connection for Windows (32/64 bit)
- PCAN-PassThru for using applications that are based on Pass-Thru (SAE J2534) with interfaces from PEAK-System

Programming interfaces for standardized protocols from the automotive sector like:

- PCAN-CCP API for the communication with ECUs according to the CAN Calibration Protocol
- PCAN-XCP API for communication with ECUs according to the Universal Measurement and Calibration Protocol (CAN FD support since version 2)
- PCAN-ISO-TP API for the transfer of data packages according to ISO-TP (ISO 15765-2)
- PCAN-UDS API for the communication with ECUs according to UDS (ISO 14229-1)

For more information about PEAK-System, please visit the manufacturer's website:www.peak-system.com

Contact

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Further distributors:

www.peak-system.com/quick/CiA

Features

No features listed.