



## PCAN-USB X6



- Adapter for High-speed USB 2.0 (compatible to USB 1.1 and USB 3.0)
- 6 High-speed CAN channels with pluggable NXP TJA1044GT transceiver modules. Alternative transceivers with galvanic isolation up to 300 V on request
- Complies with CAN specifications 2.0 A/B and FD
- CAN FD support for ISO and Non-ISO standards switchable
- CAN FD bit rates for the data field (64 bytes max.) from 25 kbit/s up to 12 Mbit/s
- CAN bit rates from 25 kbit/s up to 1 Mbit/s
- Time stamp resolution 1  $\mu$ s
- FPGA implementation of the CAN FD controller
- Status LEDs for CAN channels, USB upstream, and power supply
- CAN connection via D-Sub, 9-pin or M12 circular connectors, 5-pin (pin assignment of both connectors in accordance with CiA<sup>®</sup> 303-1)
- Aluminum casing with increased Ingress Protection (only for IPEH-004063)
- High-speed USB 2.0 downstream port (only for IPEH-004062)
- CAN termination can be activated through a solder jumper, separately for each CAN channel
- Measurement of bus load including error frames and overload frames on the physical bus
- Induced error generation for incoming and outgoing CAN messages
- Voltage supply from 8 to 30 V
- Extended operating temperature range
- from -40 to 85 °C (-40 to 185 °F)