

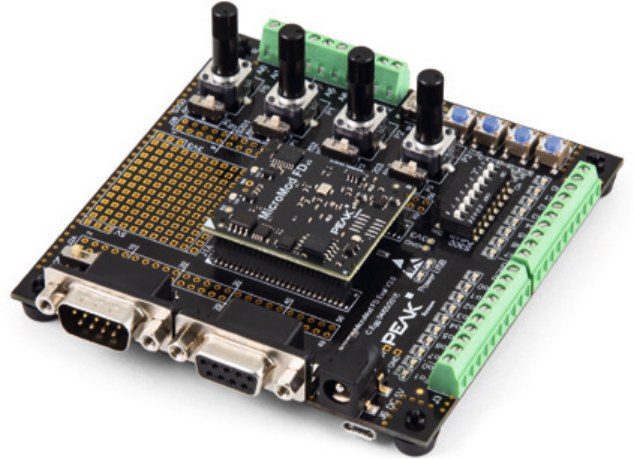
# PCAN-MicroMod FD Evaluation Board

Universal Evaluation Board for the Plug-in Module PCAN-MicroMod FD

This product is an evaluation board for the PCAN-MicroMod FD and allows the conception and development of own circuits with CAN connection and I/O functionality. It can also be used for training purposes for CAN and CAN FD setups. Via pick-offs, screw terminals, switches, and potentiometers, the user can access the resources of the attached PCAN-MicroMod FD and check configurations or test circuits.

The configuration is done with a supplied Windows software which transfers the configuration data to the module via CAN. The optionally available Evaluation Kit includes the CAN interface and a CAN cable required for this purpose.

The PCAN-MicroMod FD Evaluation Board can alternatively be operated with firmware for CANopen (FD). Furthermore, the use with a custom firmware is also possible. A license for the CANopen firmware is included in the scope of supply. You can find detailed information about the operation modes and the configuration of PCAN-MicroMod FD products on page 42.



## Specifications

- Board with plugged on PCAN-MicroMod FD
- CAN bus connection via D-Sub, 9-pin (in accordance with CiA® 106)
- Screw terminal connections for all I/Os
- Switchable CAN termination of 120 Ohm
- Pick-offs for all pins of the PCAN-MicroMod FD
- Low-side switches for the digital outputs
- DIP switches for status change of the digital inputs
- Protected digital inputs
- LEDs for digital inputs and outputs
- 4 potentiometers for analog inputs
- Soldering fields for individual additional wiring
- RS-232 connection with V.24 signal levels for direct access to the microcontroller
- 4-bit rotary coding switch for setting the module ID
- Firmware upload via CAN, USB, or RS-232; switchable via 3 buttons
- Reset button for restarting the board
- Voltage supply 5 V via Micro-USB or barrel connection
- Operating temperature range from 0 to 70 °C (32 to 158 °F)
- Board 100 x 102 mm with rubber feet

## Ordering information

Designation	Part No.
PCAN-MicroMod FD Evaluation Kit	IPEH-003082

## Scope of supply PCAN-MicroMod FD Evaluation Kit

- PCAN-MicroMod FD
- PCAN-MicroMod FD Evaluation Board
- USB connector cable
- PCAN-MicroMod FD Configuration for Windows (details on page 109)
- CANopen license for one PCAN-MicroMod FD
- Windows development package with GCC ARM Embedded, flash program, and programming examples
- Manual and schematic in PDF format
- CAN interface PCAN-USB FD
- 2 m CAN cable with termination

## Requirements

- The configuration requires a PEAK CAN interface