

# PCAN-LIN

## PC serial to LIN and CAN interfaces

### Part No:

**MPPK-LIN-UART2L-PCAN-LIN-H**(High Speed)

**MPPK-LIN-UART2L-PCAN-LIN-L**(Low Speed)

**MPPK-LIN-UART2L-PCAN-LIN-HO**

(HighSpeed+opto-decoupled)



The PCAN-LIN module enables CAN, LIN and serial users to communicate. The module is supplied in a plastic casing and includes firmware which enables data to be exchanged between the different bus systems. Various modes can be set up with the aid of configuration software. Then for instance the module acting as the LIN master can request data and send the incoming LIN data to the CAN bus and/or the serial interface. Data can be routed between CAN and LIN with an ID offset.

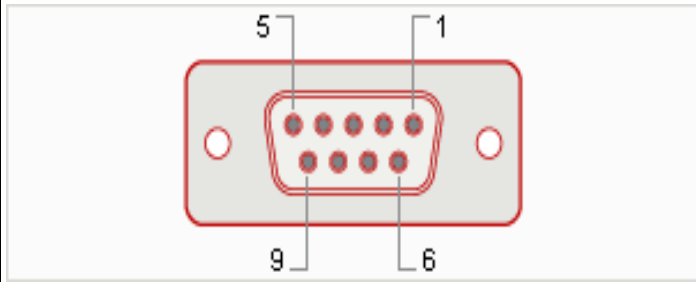
## Specifications

- Sending/receiving LIN 1.x and 2.0 frames
- The standard bit rate is set to 19200 bit/s for LIN and to 500 kbit/s for CAN
- Electrical decoupling available between RS-232 and CAN/LIN (maximum 1 kV, optional)
- Available for use as LIN slave or master / slave
- General-purpose gateway (or router when using Acceptance Code / Acceptance Mask feature) from:
  - RS-232 to LIN (and back)
  - CAN to LIN (and back)
  - RS-232 to CAN (limited bandwidth)
- Individual LIN frames can be initiated via CAN or RS-232
- Processing a user-definable LIN-ID list (scheduler with limited number of entries, cyclic handling if required)
- Voltage supply 8 - 18 V

## Optionally available:

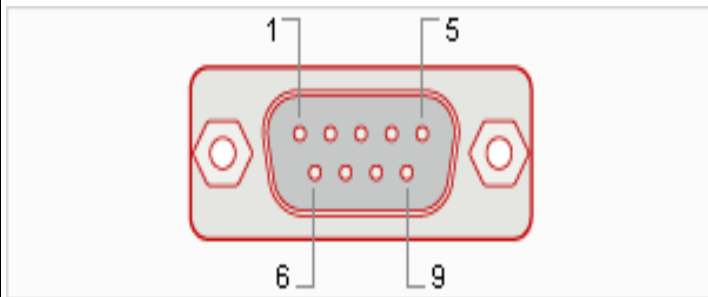
- Simulation of LIN slaves. Data can be changed via CAN frames (firmware must be modified)

Pin assignment Female D-Sub Connector	Pin	Pin assignment RS-232
---------------------------------------	-----	-----------------------



- |   |                   |
|---|-------------------|
| 1 | Not connected     |
| 2 | TxD (RS232-level) |
| 3 | RxD (RS232-level) |
| 4 | Not connected     |
| 5 | GND               |
| 6 | Not connected     |
| 7 | Not connected     |
| 8 | Not connected     |
| 9 | Not connected     |

### Pin assignment Male D-Sub Connector



### Pin Pin assignment CAN/LIN

- |   |  |
|---|--|
| 1 | $V_{Bat}$ 8 - 18V ( $I_{max} \sim 130mA$ ) |
| 2 | CAN-L                                      |
| 3 | GND  |
| 4 | LIN data                                   |
| 5 | Not connected                              |
| 6 | GND  |
| 7 | CAN-H                                      |
| 8 | Not connected                              |
| 9 | Not connected                              |

### Scope of supply

- PCAN-LIN
- Configuration and monitoring tool PCAN-LIN Config for Vista/XP/2000
- Manual in PDF format

### Downloads

Problems while downloading the files? Use the right mouse button and save as ...

PCAN-LIN package - PCAN-LIN Configuration software for Windows® and documentation in PDF format (German)

PCAN-LIN manual in PDF format (German)

PCAN-LIN manual in PDF format (English)

**MPPK-LIN-UART2L-PCAN-LIN-H(002025)**

**MPPK-LIN-UART2L-PCAN-LIN-L(002028)**

**MPPK-LIN-UART2L-PCAN-LIN-HO(002029)**