

PCAN-LIN

Gateway for LIN, CAN, and RS-232

The PCAN-LIN module enables CAN, LIN, and serial participants 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 route 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.

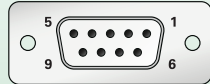


Specifications

- ___ 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)
- ___ CAN bit rates up to 1 Mbit/s
- ___ Complies with CAN specifications 2.0 A/B
- ___ LIN bit rates of 1 to 20 kbit/s
- ___ Transmitting/receiving LIN 1.x and 2.x frames
- ___ Available for use as LIN master or slave
- ___ Simulation of LIN slaves. Data can be changed via CAN frames
- ___ Processing a user-definable LIN ID list (scheduler with limited number of entries)
- ___ Individual LIN frames can be initiated via CAN or RS-232
- ___ Voltage supply from 9 to 30 V
- ___ Extended operating temperature range from -40 to +85 °C (-40 to +185 °F)

Optionally available:

- ___ High-speed (ISO 11898-2) or Low-speed (ISO 11898-3) CAN transceiver module
- ___ Galvanic isolation between RS-232 and CAN/LIN up to 1 kV (only for High-speed CAN)

Female D-Sub Connector	Pin	Pin assignment RS-232
	1	Not connected
	2	TxD (RS-232-level)
	3	RxD (RS-232-level)
	4	Not connected
	5	GND
	6	Not connected
	7	Not connected
	8	Not connected
	9	Not connected

Male D-Sub Connector	Pin	Pin assignment CAN/LIN
	1	V _{Bat} 9-30V (I _{max} ~130mA)
	2	CAN-L
	3	GND
	4	LIN data
	5	Not connected
	6	GND
	7	CAN-H
	8	Not connected
	9	Not connected

Ordering information

Designation	Part No.
PCAN-LIN High-speed CAN	IPEH-002025
PCAN-LIN High-speed CAN opto-decoupled	IPEH-002029

Scope of supply

- ___ PCAN-LIN in plastic casing
- ___ Configuration and monitoring tool PCAN-LIN Config for Windows 11 (x64/ARM64), 10 (x64)
- ___ Manual in PDF format

Accessories: LIN Connection Cable for PCAN-LIN optionally available (details on page 125).