

Movimento Castor 4LIN

Castor4LIN is the ideal LIN hardware for software download and network diagnostics services. With either USB or RS232 connection, it is very easy to install and maintain.

LIN (Local Interconnect Network) is a serial communication system used for distributed electronic systems in vehicles. Examples of applications would be networking within a door or a seat. In automotive applications the multiple local LIN networks are typically connected to the vehicle's CAN network.

Network Communication

Castor 4LIN is a LIN-adapter suitable for serial port or plug and play USB. Castor 4LIN is LIN 1.0 and LIN 2.0 compatible. The adapter acts as the physical layer adapter for the host. It takes its operating power from the LIN-connector.

Compact dimensions

Castor 4LIN is a very compact design that allows for a great deal of freedom when designing component in embedded systems. Castor is used as a diagnostic instrument as well as an embedded component in applications like FMS, Navigation systems, anti-theft systems.

Filters

Filters can easily be set up on a message and signal level on both the PC side and embedded sides.

Applications

- Diagnostics on LIN
- Simulating a LIN Master
- Simulating any desired number of LIN slaves
- Detection of LIN protocol errors
- Generating selected error states on the LIN bus

Specifications

Part Number

- 120-0115-001, Castor 4LIN USB
- 212-0002-001, Castor 4LIN RS232

Features

- Full support for LIN 1.0 and LIN 2.0 physical layers
- Quick and easy plug and play installation
- All intelligence located into host system
- Compact dimensions with robust housing for harsh environments
- Adjustable on board filters
- One device for Desktop, Laptop and PDA
- Power from the LIN bus or RS-232 side
- Cost efficient design suitable for high quantities
- LIN master terminator can be enabled and disabled via RTS-signal and state feedback can be read back from CTS-signal
- RS232 baud rates up to 115.200
- Support for all standard LIN baud rates from 2400bps to 20kbps
- Default transceiver MC33399, others on request (TJA1020, TLE6258, AMIS30600, MCP201, NCV7310)

Driver Support

- Win 98/ME/NT/2000/XP
- Windows CE/CE.NET
- Pocket PC 2002 and 2003
- Linux (On request)

Pin	Signal	Pin	Signal	Pin	Signal	Pin	Signal
1	N.C.	6	N.C.	1	N.C.	6	N.C.
2	TxD	7	CTS	2	N.C.	7	N.C.
3	RxD	8	RTS	3	GND	8	N.C.
4	N.C.	9	N.C.	4	LIN	9	VBAT
5	GND	SCR	Shield	5	N.C.	SCR	Shield

Serial connector pin-out LIN connector pin-out

