USB-to-CAN Interface

USB-to-CAN compact - Intelligent low-cost CAN interface for the USB-Port

The USB-to-CAN compact is a low-cost, active CAN interface for connection to the USB bus. The 16-bit microcontroller system enables reliable, loss-free transmission and reception of messages in CAN networks with both a high transmission rate and a high bus load. In addition, messages are provided with a time-stamp and can be filtered and buffered directly in the USB-to-CAN compact. The module can also be used as a master assembly, e.g. for CANopen systems. Together with the universal CAN driver VCI, supplied with the delivery, the USB-to-CAN compact allows the simple integration of PC-supported applications into CAN systems.

Combining an extremely attractive price with compact construction, the USB-to-CAN compact interface is ideal for use in series products and in conjunction with the canAnalyser for development, service and maintenance work.

Technical Data

PC bus interface	USB, version 2.0 (full speed)
Microcontroller	Infineon C161U
CAN controller	SJA 1000
CAN bus interface	ISO 11898-2, Sub D9 connector or RJ45 connector according to CiA 303-1
Power supply	Provided by USB port, 250 mA typ
Galvanic isolation	optional (1 kV, 1 sec.)
Temperature range	-20 ºC ... +80 ºC
Certification	CE, FCC, CSA/UL, IEC 60950-1:2005 (2nd Edition) / EN 60950-1:2006 + A11:2009
Size	80 x 45 x 20 mm

Contents of delivery
- USB CAN Interface
- User's manual
- CAN driver VCI for Windows 2000, XP, Vista, Windows 7
- Simple CAN monitor "miniMon"