



## USB-CANmodul1



The USB-CANmodul1, is a small-sized and very cost-effective CAN-bus interface solution for connecting the CAN-bus to the PC via USB. CAN messages are tunneled transparently. The module supports all kind of higher-layer CAN-based protocols, such as CANopen, SDS, DeviceNet or J1939. Its fast yet low-power 32-bit CPU core with integrated message buffers ensures reliable communication even at high busload. Each received CAN message gets a precise time stamp derived from the module's hardware timer.

The provided PC driver allows for easy plug&play installation and supports simultaneous operation of up to 64 USB-CANmodul devices on the same PC.

An extremely attractive price-performance ratio and the compact design make this CAN USB Adapter ideal suited for CAN-bus based development, service and maintenance tasks, as well as use in high-volume serial products.

The USB-CANmodule1 has been tested according to the EMC Directive 2004/108/EC.

### Features

Available CAN channels:	1
PC connection:	USB V2.0 Full-speed
CAN interface:	1 CAN interface, high-speed CAN according ISO 11898-2, optical isolated
CAN transceiver:	high-speed CAN: 82C251
CAN specification:	ISO 11898-1/2, Standard Frames, Extended Frames
CAN connector:	SUB-D9
CAN bit rate:	10kbps to 1Mbps



**CAN bus features:** Transmit Remote Frames

Listen only mode, 100µs hardware time stamp for received messages, Tx message receipt with timestamp

Automatically transmission of cyclical messages by the module, Hardware acceptance filter, Callback events for receive, status change and connect/disconnect

**Software support for Windows® OS:** **USB-CANmodul Control** - Configuration tool for managing multiple USB-CANmodul devices

**Programmers support for Windows OS:** **Comprehensive programmers API** including demo source for Microsoft Visual C++, LabView, Visual Basic .NET  
**CANopen API for .NET** - based on SYS TEC CANopen Stack and allows for easy implementation of CANopen-enabled applications

**Programmers support for Linux OS:** SocketCAN based API

**Device driver:** Windows® 8/7/Vista/XP (32/64 bit), Linux, WinCE 5.0, WinCE 6.0

**LED indicators:** LEDs for power supply, CAN state, CAN traffic

**Power supply:** USB powered

**Current consumption:** typ. 150mA

**Operating temperature:** -40°C to +85°C

**Housing:** table case

**Weight:** approx. 40g

**Dimensions:** 78 x 45 x 18 (LxWxH, in mm)