

# USB-CANmodul8



Based on the successful USB CAN Gateway designs, the USB-CANmodul8 version bundles 8 CAN-channels in one device, connected to the PC via high-speed USB2.0 with up to 480Mbps. This USB CAN Gateway allows a most comfortable, yet cost efficient way to transfer CAN-bus messages in distributed systems that require a centralized data collection, like used in automotive applications, research institutes or laboratories.

As all other versions of the SYS TEC USB CAN Gateway series, the USB-CANmodul8 supports all kind of higher-layer CAN-based protocols, such as CANopen, SDS, DeviceNet or J1939. Its new 32-bit CPU core ensures reliable communication even at high busload, and provides precise message time stamps. The PC driver allows for easy plug&play installation and supports simultaneous operation of up to 64 USB-CANmodul devices on the same PC. With its extremely attractive price-performance ratio and the compact design, the USB-CANmodul8 is ideal suited for servicing and maintenance tasks of CAN-bus systems.

## Features

<b>Available CAN channels:</b>	8
<b>PC connection:</b>	USB V2.0 high-speed up to 480 Mbps
<b>CAN interface:</b>	8 CAN interface, high-speed CAN according ISO 11898-2, optical isolated
<b>CAN transceiver:</b>	high-speed CAN: 82C251
<b>CAN specification:</b>	CAN 2.0A (11-bit identifier) CAN 2.0B (29-bit identifier)
<b>CAN connector:</b>	SUB-D9
<b>CAN bit rate:</b>	10kbps to 1Mbps
<b>CAN bus features:</b>	Remote frames Listen only mode Time stamp for received messages Receiving the transmit echo including time stamp Automatically transmission of cyclical messages by the module
<b>Software support for Windows® OS:</b>	<b>USB-CANmodul Control</b> - 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** (Linux Kernel version 2.6.32 or higher)

**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:**

85 ... 264 VAC, optional 9 ... 36 VDC

**Current consumption:**

self-powered

**Operating temperature:**

0°C to +55°C

**Housing:**

table case, 1HU 19" rack-mounted or open frame

**Weight:**

1062g

**Dimensions:**

200 x 224 x 72 (LxWxH, in mm)