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SYS TEC ELECTRONIC

USB-CANmodul series

CAN bus interfaces

SYS TEC electronic offers a variety of CAN interfaces for connecting CAN channel via USB. Do you need a fast, user-friendly and reliable hardware interface for trouble-free access to CAN bus networks? With a wide range of CAN interface modules & cards, SYS TEC electronic offers the right solution for all areas of application.

- Virtual CAN Network Driver
- CANopen® API for .NET
- High-precision Rx/Tx timestamp
- Up to 16 CAN-channels per device



sysWORXX Automation Series

Our USB-CANmodul series provides you with an ideal solution for connecting CAN to your notebook, desktop or industrial computer. Powered by a fast 32-bit CPU, the USB-CANmodul is available with up to 16 CAN channels. The enclosed software driver is capable of simultaneously operating multiple USB-CANmodul devices with up to 64 CAN channels in total. For mobile and off-road applications we offer a rugged version with IP65 housing and connectors.

CANopen Library included

With our USB-CANmodul, we provide a CANopen API driver for the Microsoft .NET framework. This driver provides a wrapper around the SYS TEC electronic CANopen protocol stack and allows for easy implementation of CANopen-enabled applications.

Enhanced driver support

The USB-CANmodul .NET driver implements a so-called "Virtual Network" attached to a physical CAN channel. This feature allows for simultaneous connection of multiple host-applications to a single CAN channel. CAN messages appearing on a Virtual Network are distributed to all connected host-applications. Of course, the USB-CANmodul driver maintains full backward compatibility to previous versions.

Customized product versions

Do you have a product idea where this product could fit, yet still has some extra features missing? We provide expanded development services for OEM and customized firmware to meet your demands. The driver is available for Windows, Linux, WinCE and LabVIEW.

Example for a customer-specific adaption

The XMS-Box is a testing device for electronic brake systems for Continental Automotive Group. The XMS-Box is connected to the PC using the USB interface; it is a real-time controller on ISO-K and CAN and serves additionally as a RS232/ ISO-K level converter. Three push-buttons and four LED's allows the user for full control over the actual work status of the XMS-Box. The software and hardware has been adjusted and improved continually to meet the current requirements of Continental Automotive Group testing devices.



About SYS TEC electronic

SYS TEC electronic GmbH is a system house for distributed automation technology. We provide a comprehensive service from consulting to OEM integration.

Founded in 1990 in Germany SYS TEC electronic has more than 25 years experience in customized development of microcontroller systems and industrial communication.

SYS TEC electronic GmbH | Am Windrad 2 | 08468 Heinsdorfergrund | Germany
phone +49 3765 38600-0 | fax +49 3765 38600-4100 | info@systec-electronic.com | www.systec-electronic.com

SYS TEC ELECTRONIC

Technical Specifications






Features	USB-CANmodul1	USB-CANmodul2	USB-CANmodul8	USB-CANmodul16
CAN channels	1	2	8	16
Bit rate (kbps)	10-1000			
PC connection	USB2.0, Full-Speed	USB2.0, Full-Speed	USB2.0, High-Speed	2x USB2.0 High-Speed
Operating temperature	-40°C...+85°C	-40°C...+85°C	0°C...+55°C	0°C...+55°C
Mixed 11/29-bit identifiers	✔	✔	✔	✔
Galvanic isolated	✔	✔	✔	✔
High-speed CAN	✔	✔	✔	✔
Low-speed CAN physical layer	–	✔ (1)	–	–
Single-wire CAN physical layer	–	✔ (1)	–	–
Listen-only mode	✔	✔	✔	✔
Cyclic CAN messages	✔	✔	✔	✔
Error counter reading	✔ (2)	✔ (2)	✔ (2)	✔ (2)
Hardware Timestamps	✔	✔	✔	✔
Digital I/Os (TDL level)	–	8 points	4x8 points	8x8 points
LED indicators	3	5	17	33
CAN connector	SUB-D9	2x SUB-D9	8x SUB-D9	16x SUB-D9
Power supply	USB	USB	85...264VAC 9...36VDC (1)	85...264VAC
Current Consumption (typical)	110mA	110mA	self-powered	self-powered
Housing	table case	table case	table case or 1HU 19“	1HU 19“ rack mountable
Driver support	Windows, Windows CE, Linux, LabVIEW			

(1) Optional (2) Warning Limit, Error Passive and Bus-off

LEARN MORE AT:

http://www.systec-electronic.com/usb-canmodul

Related Products



CANinterpreter
CAN-Bus Analyzer



USB-RS232
Interface



CAN-Ethernet
Gateway V2

Ordering Information

3204001	USB-CANmodul1
3204003	USB-CANmodul2
3204007	USB-CANmodul2 8 bit expansion
3204004	USB-CANmodul8
3404001	USB-CANmodul16

For quotations please contact us:
+49 3765 38600-2110 I sales@systec-electronic.com

Release 2015/09

SYS TEC electronic GmbH I Am Windrad 2 I 08468 Heinsdorfergrund I Germany
phone +49 3765 38600-0 I fax +49 3765 38600-4100 I info@systec-electronic.com I www.systec-electronic.com

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