



CAN-USB-Micro

Small CAN USB Interface in DSUB9 Enclosure

CAN Network at USB 2.0

- USB 2.0 full-speed interface with data rates of 12 Mbit/s
- Differential CAN interface, 1 Mbit/s, ISO 11898-2
- Powered via USB
- Microcontroller ARM Cortex™-M3

Robust Metal Case with Status LEDs

- Die cast case, dimensions 35 mm x 15 mm x 45 mm
- Two LEDs show the state of the module
- Incl. USB cable
- Time stamped CAN messages with a resolution of 1 µsec

Wide Range of Application

- Silent mode support for analyzing tools
- Full compatibility with applications written for esd's NTCAN-API
- CANopen® and J1939 protocol libraries are available
- Firmware can be updated in the field

Low cost CAN Interface for PC

The CAN-USB/Micro is a very small CAN-USB interface that fits into a DSUB9 enclosure. The ARM Cortex-M3 micro controller handles CAN data.

The non isolated CAN interface is directly powered by USB.

USB Interface

The module supports the USB 2.0 full-speed interface with data rates up to 12 Mbit/s.



Software Support

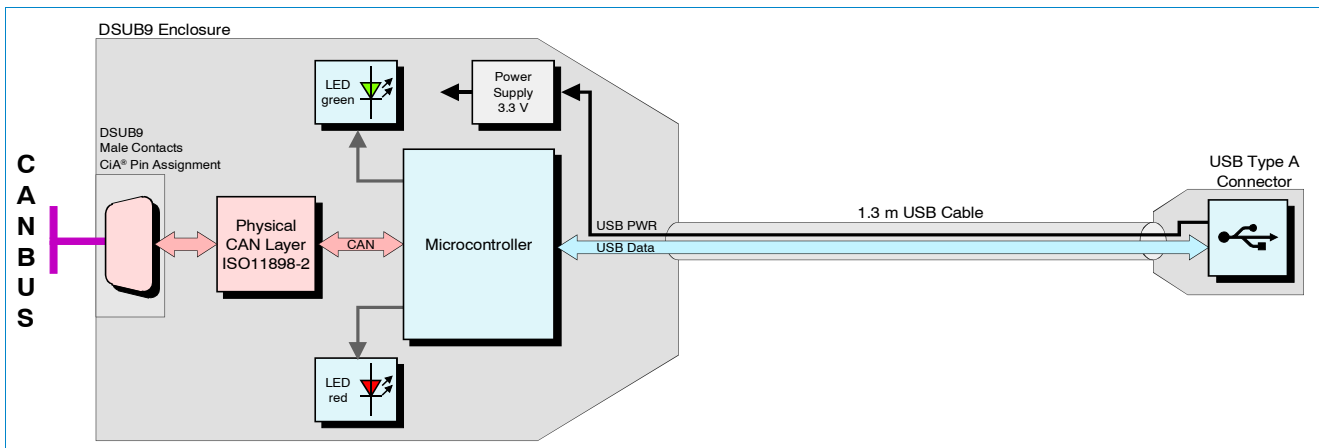
Software drivers for Windows® 2K/XP/Vista/7/8 (32/64 bit) are included in delivery.

Linux® kernel ≥ 2.6 is supported via Linux CAN (SocketCAN) and NTCAN wrapper library.

Drivers for other operating systems are available on request.

The firmware can be updated from the PC. Updates are available on the esd website.

Libraries for the higher layer protocols CANopen and J1939 are available. Additional free-of-charge esd CAN applications tools for Windows offer efficient setup and analysis of CAN applications and networks.



Technical Specifications:

CPU:	
Controller	ARM-Cortex-M3, 32-bit, 72 MHz
USB:	
USB	USB 2.0 full-speed, 12 Mbit/s
Connector	1x USB Type-A
CAN:	
CAN controller	ISO 11898-1, integrated in microcontroller
CAN interface	ISO 11898-2, high-speed, bit rate up to 1 Mbit/s
Connector	DSUB9 (male), CAN interface integrated in DSUB9-enclosure
General:	
Operating supply voltage	5 VDC ±20 %
Current consumption	Typically (at 5 V): 50 mA
Ambient temperature	0 °C ... +50 °C
Relative humidity	Max. 90 % (non-condensing)

General (continued):	
Dimensions	Cable length: 1.3 m including connectors DSUB9: 35 mm x 15 mm x 45 mm
Weight	100 g
Order Information:	
Hardware	Order No.
CAN-USB-Micro	USB 2.0 (full-speed), 1x CAN, ISO 11898 C.2068.02
CAN layer 2 drivers for Windows and Linux are included in delivery ¹ .	
Software Support for higher layer protocols	
CANopen object licences including CD-ROM ¹ : CANopen-LCD Windows	C.1101.06
J1939 Stack object licenses including CD-ROM ¹ : J1939 Stack for Windows J1939 Stack for Linux via Linux CAN (SocketCAN) and NTCAN wrapper library	C.1130.10 C.1130.11

¹ For detailed information about driver availability for your operating system please contact our sales team.