

CAN-USB/2

CAN USB 2.0 Interface



CAN Network at USB 2.0

- USB 2.0 high-speed interface with data rates of 480 Mbit/s
- Differential CAN interface with electrical isolation, 1 Mbit/s, ISO 11898-2
- Powered via USB
- Microcontroller ARM® 7™
- Time stamped CAN messages with a resolution of 1 µsec

Robust Alu-Micro Case with Status LEDs

- Aluminium case, dimensions 55 mm x 55 mm x 25 mm
- Four LEDs show the state of the module
- USB cable included

Wide Range of Application

- Silent mode support for analysing 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



Powerful CAN-Interface for PC

The CAN-USB/2 module is an intelligent CAN-interface with an ARM 7 microcontroller for the local management of CAN-data. The module supports the USB 2.0 high-speed interface with data rates of 480 Mbit/s.

CAN-Interface

The ISO 11898-compliant CAN-interface allows a data-transfer rate of a maximum of 1 Mbit/s. The CAN-interface is electrically isolated from other potentials by means of a digital isolator and a DC/DC-converter.

Software Support

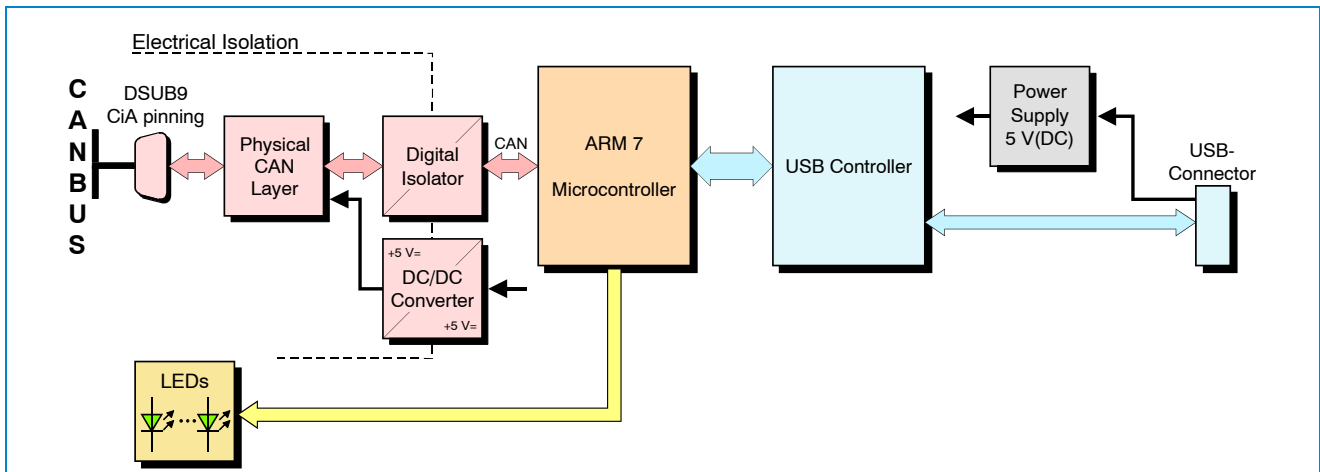
Software drivers for Windows® 7/8/10 (32/64 bit) are included in delivery. Linux® kernel ≥ 2.6 is supported via Linux CAN (SocketCAN) and NTCAN wrapper library. Drivers for other operating systems are available on request.

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 tools for Windows are downloadable from our website. The tools offer efficient setup and analysis of CAN applications and networks.

Customization on Request

Customized options are available for customized series production in reasonable quantities. Please contact our sales team for detailed information.



Technical Specifications:

USB Interface and Microcontroller:	
USB	USB 2.0, bit rate 480 Mbit/s
Microcontroller	ARM 7, 32-bit 60 MHz
CAN Interface:	
CAN interface	High-speed CAN interface acc. to ISO 11898-2, differential, electrically isolated, bit rate up to 1 Mbit/s
General:	
Ambient temperature	0 °C ... +50 °C
Relative humidity	Max. 90 % (non-condensing)
Supply Voltage	via USB: 5 V
Case dimensions	55 mm x 55 mm x 25 mm
Weight	70 g
Connectors	CAN: 9-pin DSUB (pin contacts) USB: series B-type USB (socket contacts)

Order Information:

Hardware	Order No.
CAN-USB/2 USB 2.0, 1x CAN, ISO11898	C.2066.02

Software Support

CAN layer 2 drivers for Windows and Linux are included in delivery free of charge.

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	C.1130.10
J1939 Stack for Linux via Linux CAN (SocketCAN) and NTCAN wrapper library	C.1130.11

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