

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
- Time stamped CAN messages with a resolution of 1 µsec

Robust Alu-Micro Case with Status LEDs optionally available for DIN Rail Mounting

- Aluminium case, dimensions 55 mm x 55 mm x 25 mm
- Four LEDs show the state of the module
- USB cable included
- DIN rail mounting according to IEC/EN 60715

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 a 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.

The CAN-USB/2-DINrail is equipped with a mounting rail holder for snapping onto TS35 DIN rails.

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

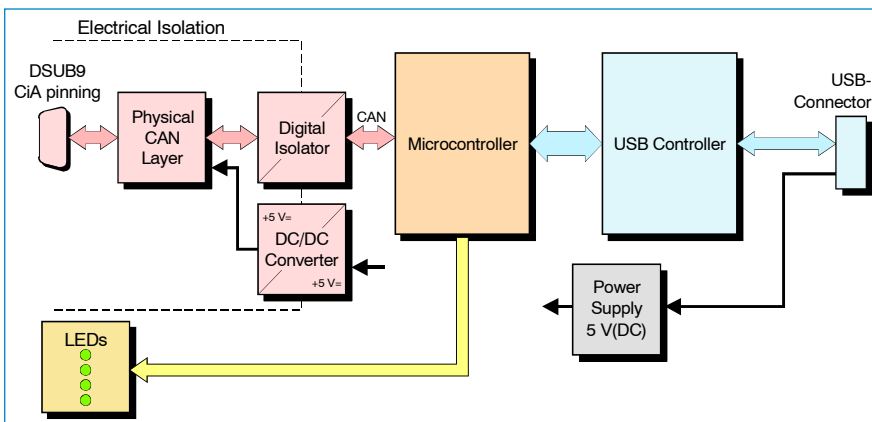
Software drivers for Windows®10/11 are included in delivery. Support of Linux® (kernel ≥ 2.6) via Linux CAN (SocketCAN) and NTCAN wrapper library, as well as drivers for other operating systems are available on request.

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:	
USB	USB 2.0, bit rate 480 Mbit/s
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, optional 85 g with mounting rail holder
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
CAN-USB/2-DINrail	CAN-USB/2 for DIN rail mounting	C.2066.03
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.