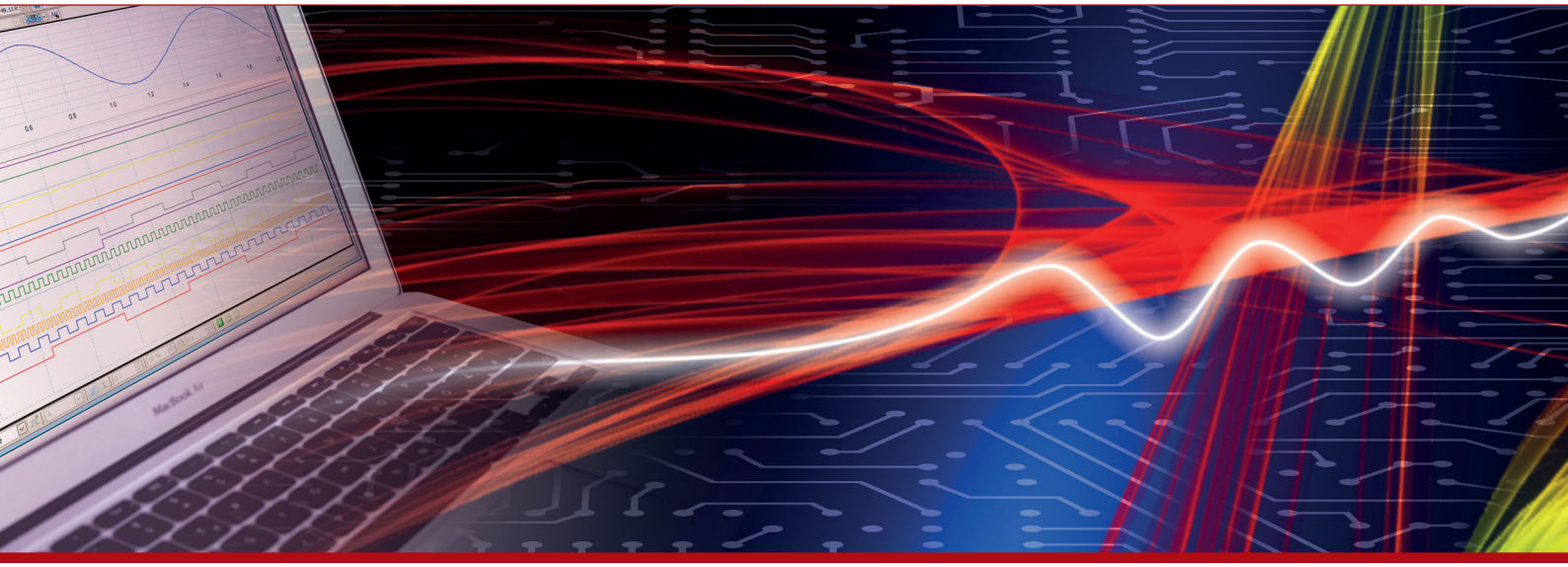
Product Datasheet - Technical Specifications



More information in our Web-Shop at ▸ **www.meilhaus.com** and in our download section.

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Product Overview

A Controller Area Network (CAN) is a high-integrity asynchronous serial bus system for networking intelligent devices. It is often used in automotive and industrial systems.The USB-CAN-M is designed to make a fast, simple way to communicate with CAN bus devices. Connected to a USB port on your computer or USB hub, the USB-CAN-M instantly adds an industrial CAN bus channel to your host system with easy plug and play (PnP) and hot plug features. The model „SI“ has galvanic isolation on the CAN bus up to 2500 V.

- Adds a CAN bus port on your computer by connecting to USB 1.1, 2.0 or 3.0 host and hub ports.
- One 9-pin D-sub male connector.
- Powered by USB port, no external power adapter required.
- LEDs indicate initialization and CAN bus status.
- Installs as standard Windows COM port, COM port number can be changed to any COM port number.
- CAN bus speed up to 1 Mbits.
- 512 bytes transmit/receive FIFO buffer for high speed data throughput.
- Easy plug and play installation and CAN bus device connection.
- USB CAN adapter can be controlled over serial port using simple ASCII commands.
- Version USB-CAN-SI-M: 2500 V galvanic isolation on CAN bus.
- Design with ARM Cortex-M0 32 bit microcontroller and the USB to UART chip.
- Drivers provided for Windows and Linux OS.

USB-CAN-(SI)-M

	USB-CAN-M	USB-CAN-M
CAN bus ports	1, supports CAN 2.0A and CAN 2.0B	
CAN bus Connector	9-pin D-sub male	
CAN bus speed	5 kbit...1 Mbit for CAN data transmit & receive	20 kbit...1 Mbit for CAN data transmit & receive
CAN bus signale	CAN_H, CAN_L, CAN_GND, CAN_V+	
CAN bus controller	Bosch C_CAN module	
LED	CAN bus data activity, CAN bus error	
CAN bus mode	Standard mode: Normal operation on CAN bus; Listen mode: Passive receiving of CAN frames; Echo mode: Transmitter also receives sent frames (for testing purposes)	
Protection	±16 kV ESD protection for CAN signals	±16 kV ESD protection for CAN signals; 2500 V galvanic isolation on CAN bus
Chipset	ARM Cortex-M0 32 bit microcontroller	
USB	Supports USB 1.1, USB 2.0, USB 3.0	
Power	USB-powered, max. 250 mA/5 VDC	
Casing	SECC sheet metal (1 mm), 61 mm x 50 mm x 23 mm (LxWxH), 100 g	
Environmental	Operating temperature 0...60°C (32...140°F), storage temperature -20...75°C (-4...167°F), humidity 5...95% r. H.	
Safety Approvals	CE, FC	