

USB-CAN

USB Interface

USB-Input	USB 2.0 Full Speed, USB 1.1 compliant
Connector	USB type B
Driver	Virtual COMs, 3Mbit/s max
Operating Systems	<ul style="list-style-type: none">• Windows 2000 up to Windows 10• Windows Server 2000 up to 2012• Linux kernel 2.6+• Mac OS X support available
Installation	The driver is already installed (Linux), or installs by automatic Download after Device connection (Windows).

■ CAN Bus

No. of Ports/Type	1 x CAN Bus
Connector	DB9 male
Protection	<ul style="list-style-type: none">• 16kV ESD surge protection• 2.5kV Electrical isolation on ISO version
Signals	CAN_H, CAN_L, CAN_GND
Speed	CAN 2.0A / 2.0B 1Mbit/s
Controller	SJA1000 (NXP)
Transceiver	SN65HVD233 (Texas Instruments)
LED	CAN-Data, CAN-Error

■ Software

VSCAN API	<ul style="list-style-type: none">• Unified API for control all VScom CAN-Adapters.• Supported OS: Windows, CE, Linux (x86, x86-64, ARM) targets.• Supported Dev.Env: C/C++, C#, VB.NET, Delphi and LabVIEW.
Linux OS	Supports SocketCAN (slcan driver) since kernel 2.6.38+ Also see this FAQ
CANopen	Open source CANfestival framework fully implements CANopen functionality.
SAE J1939	Automotive protocol suite supported by VScom's J1939 API. Supports NME200, ISOBUS, MilCAN and FMS protocols for Windows, Linux and .NET
Monitoring Tools	Bosch BUSMASTER v3.2.0 and above
Data Coding	ASCII format
CAN Modes	Standard Mode Normal operation on CAN bus Listen Mode Passive receive of CAN Frames, neither ACK bits nor Error Frames are sent Self Reception (Echo Mode) For testing: Transmitted Frames are also received by the adapter



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■ Power Requirement

Input Voltage	5V (USB)
Power Consumption	max 80mA @ 5V, 400mW
Connector	USB Type B, bus powered, no external supply

Case	0.8mm sheet metal
Weight	w/o box 150g; w/h box 200g
Dimensions	50x72x22 mm ³ (WxLxH) Case 72x72x22 mm ³ (WxLxH) with mounting wings
Packaged	85x122x55 mm ³
Mounting	<ul style="list-style-type: none">• DIN-Rail (optional)• Wall mount

■ Environmental Data

Operating Temp	-25°C - 75°C
Storage Temp	-30°C – 85°C
Ambient Humidity	5-95% non condensing

■ Standards

Declarations	CE, FCC
EMI	<ul style="list-style-type: none">• EN 55022 Class B• 47 CFR FCC Part 15 Subpart B
EMS (EN 55024)	<ul style="list-style-type: none">• EN 61000-4-3: Radiated RFI• EN 61000-4-4: Electrical Fast Transient• EN 61000-4-5: Surge• EN 61000-4-6: Induced RFI• EN 61000-4-8: Power Frequency Magnetic Field• EN 61000-4-11: Power supply dips
ESD	IEC 61000-4-2 4kV contact 8kV air for <ul style="list-style-type: none">• CAN Bus Port• USB

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■ MTBF (Mean Time Between Failures)

MTBF	23 Years at 45°C
Standard	Telcordia (Bellcore) Standard; RelCalc. 5.0 BELL-7

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■ Warranty

Warranty Period	2 years
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