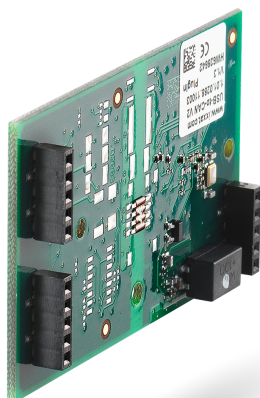


# USB-to-CAN V2 Plugin



For more information,  
visit our website.

The USB-to-CAN V2 Plugin series enables the simple and fast implementation of a CAN interface into customer devices. At this, it is especially suitable for applications with limited space thanks to its compact dimensions. Due to their very attractive price and compact design, the USB-to-CAN V2 Plugin interfaces are ideally suited for use in series production.


The Ixxat USB-to-CAN V2 Plugin series is based on the latest USB-to-CAN V2 family. The interfaces have the same characteristics and are fully supported by the Ixxat driver packages for Windows (VCI) and Linux (ECI).

## FEATURES AND BENEFITS

- Cost-effective, versatile and extremely reliable
- Compact design for efficient space utilization
- High-precision time-stamp accuracy
- High data throughput combined with low latency
- Native USB 2.0 hi-speed (480 Mbit/s), compatible with USB 1.1 and USB 3.x
- High-speed CAN connection up to 1 Mbit/s
- Optional galvanic isolation
- Common driver interface for easy exchange of the PC interface type
- Powerful programming interface for Windows (VCI) as well as for Linux (socketCAN or ECI), QNX and VxWorks (ECI)

TECHNICAL DATA	USB-TO-CAN V2 PLUGIN	USB-TO-CAN V2 PLUGIN	USB-TO-CAN V2 PLUGIN
ORDER NUMBER	1.01.0288.11003	1.01.0288.12003	1.01.0288.22003
CAN channels (high-speed)	1	1	2
CAN bus interface	Single row female header; 2.54 pitch		
CAN bit rates	10 kbit/s to 1 Mbit/s		
CAN bus termination resistors	-		
CAN controller	Internal; CAN 2.0 A/B		
CAN high-speed transceiver	SN65HVD251D		

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ORDER NUMBER	1.01.0288.11003	1.01.0288.12003	1.01.0288.22003
Galvanic isolation	-	1000 V DC for 1 sec., 500 V AC for 1 min.	1000 V DC for 1 sec., 500 V AC for 1 min.
USB interface	USB 2.0 hi-speed (480 Mbit/s), compatible with USB 1.1 and USB 3.x		
USB connector	Single row female header; 2.54 pitch		
Microcontroller	32 Bit		
RAM	136 kByte		
Flash	512 kByte		
Power supply	+5 V DC/300 mA (via USB port)		
Power consumption	Max. 300 mA		
Dimensions	67.5 x 40 x 9.2 mm		
Weight	Approx. 15 g		
Operating temperature	-40 °C to +85 °C		
Storage temperature	-40 °C to +85 °C		
Relative humidity	10 to 95 %, non-condensing		
Certification	CE, FCC, UKCA		
LED	2 x LEDs for CAN and USB communication	2 x LEDs for CAN and USB communication	3 x LEDs for CAN 1, CAN 2 and USB communication
Operating systems	Windows 11, Windows 10 (32/64), Windows 8 (32/64), Windows 7 (32/64), Linux		

CERTIFICATES


ACCESSORIES	ORDER NUMBER
Termination adapter for CAN/CAN FD (D-Sub plug to socket)	1.04.0075.03000
CAN cable 2.0 m (D-Sub plug to socket)	1.04.0076.00180
CAN Y cable 0.22 m	1.04.0076.00001
CAN Y cable 2.1 m	1.04.0076.00002

## PIN ALLOCATION

### CAN CONNECTOR ①

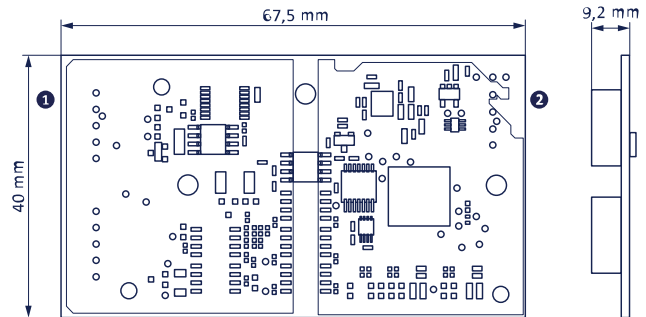
Pin no.	Signal
1	CAN-High HS
2	CAN-Low HS
3	CAN-GND
4	-
5	-

### USB CONNECTOR ②

Pin no.	Signal
1 Red	+5 V/voltage+/VCC
2 White	D-/data-/USB-
3 Green	D+/data+/USB+
4 Black	GND/voltage-/ground
5 Black	S-GND/over current/shielding

USB-to-CAN Plugin  
Order No. 1.01.0288.11003

## TECHNICAL DRAWING



USB-to-CAN Plugin  
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### CONNECTORS

1 = CAN 1  
2 = USB