

## Ixxat USB-to-CAN V2 compact

Item number: 1.01.0281.12002

The Ixxat USB-to-CAN V2 compact with a RJ45 CAN interface and galvanic isolation is an easy and cost-efficient way to connect a computer to a CAN bus network. It enables simple integration into diverse industrial setups, supporting various CAN applications, from testing and development to maintenance and control tasks.



*PC interface adapter (1 x CAN), galv. isolated*

### Features and benefits

- ✓ **Versatile connectivity for CAN-based networks**  
Simplifies the connection of computers to CAN-based networks by providing versatile integration options for industrial and automotive applications.
- ✓ **High-speed USB connectivity**  
Native USB 2.0 hi-speed (480 MBit/s) ensures fast data transfer and compatibility with USB 1.1 and USB 3.x.
- ✓ **Efficient data handling**  
Offers high data throughput combined with minimal latency, ensuring prompt and efficient data processing for demanding needs.
- ✓ **Comprehensive driver compatibility**  
Ixxat VCI driver packages support multiple fieldbuses and allow easy switching between different PC interface types. Available as free download.
- ✓ **Analysis software included**  
Ixxat canAnalyser3 Mini is included in the VCI V4 download package and enables first steps in analyzing and monitoring CAN networks.
- ✓ **Cost-effective connectivity**  
Offers a cost-effective solution, delivering high performance at an economical price. Ideal choice for demanding applications, without having to compromise on quality.
- ✓ **High-precision timestamps**  
High-precision on-board time-stamping allows for precise data tracking and monitoring.
- ✓ **Overvoltage protection**  
Galvanic isolation safeguards against overvoltage and protects from potential electrical damage.
- ✓ **Powerful programming interface**  
Ixxat offers versatile programming interfaces for Windows (VCI), Linux (ECI) and real-time OS (on request), enabling flexible development across multiple operating systems.



## General

Net Width (mm)	50
Net Height (mm)	80
Net Depth (mm)	22
Net Weight (g)	220
Packed Width (mm)	17
Packed Height (mm)	5
Packed Depth (mm)	13
Packed Weight (g)	225
Operating Temperature °C Min	-20
Operating Temperature °C Max	70
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Relative Humidity	10 to 95 %, no condensation
Current Consumption Type Value at Vcc Nom (mA)	48 mA
Current Consumption Max value at Vcc nom (mA)	300 mA (5 V DC)
Input Voltage (V)	5 V DC via USB port
Power Connector	USB
Isolation	1 kV DC for 1 sec., 500 V AC for 1 min.
Content of Delivery	USB-to-CAN V2 interface, user manual, available as free download: CAN driver VCI, simple CAN monitor "canAnalyser Mini"



## General

Not Included (in delivery)	Comprehensive and powerful driver and software packages are available as free download
Housing Materials	PC ABS, UL 94 VO
Packaging Material	Cardboard
Warranty (years)	1

## Identification and Status

Product ID	1.01.0281.12002
Country of Origin	Sweden
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

## Physical Features

Connectors / Input / Output	1 x RJ45 connector, 1 x USB type A connector
Contains Battery	No

## CAN Features

CAN Mode	CAN high-speed (ISO 11898-2: 2016)
CAN Transceiver	TI SN65HVD251
CAN Controller	CAN 2.0 A/B
CAN Baud Rate	10 kBit/s to 1 Mbit/s

## Certifications and Standards

Protection Class IP	IP40
ETIM Classification	EC000515
CE	Yes
FCC	Yes



## Certifications and Standards

UKCA	Yes
TELEC	No
WEEE Category	IT and telecommunications equipment