



## Ixxat USB-to-CAN V2 PlugIn

Item number: 1.01.0288.12003

The Ixxat USB-to-CAN V2 PlugIn with one CAN channel and galvanic isolation enables the simple and fast implementation of a CAN interface into customer devices. Its compact design and economic pricing make it an ideal choice for space-limited applications and series production.

*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.
- ✓ **Space-saving compact design**  
The compact and space-efficient design makes it an ideal choice for setups where space is limited, without compromising on functionality and reliability.
- ✓ **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.
- ✓ **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-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.



| General                                       |  |
|---|--|
| Net Width (mm)                                | 67.5   |
| Net Height (mm)                               | 40   |
| Net Depth (mm)                                | 9.2  |
| Net Weight (g)                                | 15   |
| Packed Width (mm)                             | 10   |
| Packed Height (mm)                            | 2  |
| Packed Depth (mm)                             | 15   |
| Packed Weight (g)                             | 15   |
| Operating Temperature °C Min                  | -40  |
| Operating Temperature °C Max                  | 85   |
| Storage Temperature °C Min                    | -40  |
| Storage Temperature °C Max                    | 85   |
| Relative Humidity                             | 10 to 95 %, non-condensing   |
| 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.   |
| Content of Delivery                           | USB-to-CAN V2 PlugIn interface, user manual, available as free download: CAN driver VCI, simple CAN monitor "canAnalyser Mini" |
| Not Included (in delivery)                    | Comprehensive and powerful driver and software packages are available as free download   |



## General

|                    |                  |
|--------------------|------------------|
| Mounting           | PCB mounting     |
| Housing Materials  | PC ABS, UL 94 VO |
| Packaging Material | Cardboard        |
| Warranty (years)   | 1                |

## Identification and Status

|   |                 |
|---|-----------------|
| Product ID                                  | 1.01.0288.12003 |
| Country of Origin                           | Sweden          |
| HS Code                                     | 8517620000      |
| Dual Usage                                  | No              |
| Export Control Classification Number (ECCN) | EAR99           |

## Physical Features

|                             |  |
|-----------------------------|--|
| Connectors / Input / Output | 1 x CAN connector (single row female header, 2.54 pitch), 1 x USB connector (single row female header, 2.54 pitch) |
| 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 kbits/s to 1 Mbit/s             |

## Certifications and Standards

|                     |          |
|---------------------|----------|
| ETIM Classification | EC000515 |
| CE                  | Yes      |
| FCC                 | Yes      |
| UKCA                | Yes      |



## Certifications and Standards

|               |                                     |
|---------------|-------------------------------------|
| TELEC         | No                                  |
| WEEE Category | IT and telecommunications equipment |