

## USB-to-CAN/FD Standard Card

Item number: 1.01.0382.12001

The Ixxat USB-to-CAN/FD Standard Card with galvanic isolation offers a straightforward and economical solution for connecting a computer with an internal USB connection to a CAN/CAN FD 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 (1x CAN FD), galv. isolated*

### Features and benefits

- ✓ **Versatile connectivity for CAN/CAN FD-based networks**  
Simplifies the connection of computers to CAN/CAN FD-based networks by providing versatile integration options for industrial and automotive applications.
- ✓ **Powerful CAN FD connection**  
Equipped with a CAN FD channel (up to 8 Mbits) via a D-Sub 9 connector for rapid and reliable data communication in CAN/CAN FD networks.
- ✓ **High-speed USB connectivity**  
USB 2.0 hi-speed (480 MBit/s) ensures fast data transfer and compatibility with 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.
- ✓ **PC installation via slot board and internal USB**  
Installs into a PC using a slot board and an internal USB-C cable, for an easy setup process.
- ✓ **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.

# USB-to-CAN/FD Standard Card



## General

Related Accessories	1.04.0076.00180,1.04.0075.05000
Net Weight (g)	89
Packed Weight (g)	89
Operating Temperature °C Min	-40
Operating Temperature °C Max	+ 85
Storage Temperature °C Min	-40
Storage Temperature °C Max	+ 85
Input Voltage (V)	+5 V DC (via USB port)
Power Connector	USB
Isolation Voltage (kV)	1 kV DC for 1 minute
Content of Delivery	USB-to-CAN/FD interface, internal USB-Cable with plug type C to 5 pos. header, Safety and Compliance Information Leaflet; Available as free download: VCI, ECI and SocketCAN driver
Not Included (in delivery)	Comprehensive and powerful driver and software packages are available as free download
Mounting	Slot bracket
Packaging Material	Cardboard
Warranty (years)	1

## Identification and Status

Product ID	1.01.0382.12001
Predecessor	1.01.0282.12001
Country of Origin	Sweden
HS Code	8517620000



## Identification and Status

Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

## Physical Features

Connectors / Input / Output	1 x D-Sub 9 connector, CiA standard pinning according to CiA 303-1, 1 x internal USB-Cable for USB-to-CAN/FD Type-C,
Contains Battery	No

## CAN Features

CAN Mode	CAN high-speed (ISO 11898-2: 2016)
CAN Transceiver	TCAN1044
CAN Controller	CAN 2.0 A/B
CAN Baud Rate	10 kbit/s to 1000 kbit/s, user defined baud rates.

## CAN FD Features

CAN FD Mode	ISO CAN FD (ISO 11898-1: 2015), nonISO CAN FD
CAN FD Transceiver	TCAN1044
CAN FD Baud Rate	Arbitration rate up to 1000 kBit/s, data rate up to 8000 kBit/s, user defined baud rates

## Certifications and Standards

CE	Yes
FCC	Yes