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
Current Consumption Type Value at Vcc Nom (mA)	106 mA
Current Consumption Max value at Vcc nom (mA)	+5 V DC/300 mA (via USB port)
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

USB-to-CAN/FD Standard Card



Identification and Status

Country of Origin	Sweden
HS Code	8517620000
Dual Usage	No

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

Product Certifications	CE, FCC