USB-to-CAN/FD Standard

Item number: 1.01.0381.12001

The Ixxat USB-to-CAN/FD Standard with galvanic isolation offers a straightforward and economical solution for connecting a computer to a CAN/CAN FD bus network. It is a very reliable tool for CAN FD applications e.g. in the field of test, development, maintenance or control applications.

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-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

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.

USB-to-CAN/FD Standard

General

Related Accessories	1.04.0076.00180,1.04.0075.05000
Operating Temperature °C Min	-40
Operating Temperature °C Max	+ 70
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, cable with Type-C and Type A with locking screws, 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
Housing Materials	PS-ABS
Packaging Material	Cardboard
Warranty (years)	1

Identification and Status

Product ID	1.01.0381.12001
Predecessor	1.01.0281.12001,1.01.0281.11001
Country of Origin	Sweden
HS Code	8517620000

USB-to-CAN/FD Standard

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 Type-C device connector, cable with Type-C to Type-A included
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

Protection Class IP	IP40
CE	Yes
FCC	Yes