

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.



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
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
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