Ixxat USB-to-CAN V2 embedded

Item number: 1.01.0282.12001

The Ixxat USB-to-CAN V2 embedded with galvanic isolation is an easy and cost-efficient way to connect a computer with an internal USB connection to a CAN 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 (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.

PC installation via slot board and internal USB

Installs into a PC using a slot board and an internal USB 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.

Included internal USB cable

The USB-to-CAN V2 embedded includes an internal USB cable with a 5-pin female connector, enabling immediate card installation and setup for various network configurations.

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.

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General

Net Width (mm)	18
Net Height (mm)	67
Net Depth (mm)	40
Net Weight (g)	43
Packed Width (mm)	14
Packed Height (mm)	4
Packed Depth (mm)	18
Packed Weight (g)	181
Operating Temperature °C Min	-20
Operating Temperature °C Max	70
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Relative Humidity	10 to 95 %, no condensation
Current Consumption Type Value at Vcc Nom (mA)	48 mA
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., 500 V AC for 1 min.
Content of Delivery	USB-to-CAN V2 interface, user manual, slot bracket, internal USB cable with 5 pin female connector (ZHR-5P to TU5005HNO-1*5P), available as free download: CAN driver VCI, simple CAN monitor "canAnalyser Mini"

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General

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	1.01.0282.12001
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, 1 x internal USB cable with 5 pin female connector (ZHR-5P to TU5005HNO-1*5P)
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 kBit/s to 1 Mbit/s

Certifications and Standards

Protection Class IP	IP40
ETIM Classification	EC000515
CE	Yes
FCC	Yes

Certifications and Standards

UKCA	Yes
TELEC	No
WEEE Category	IT and telecommunications equipment