Ixxat USB-to-CAN V2 automotive

Item number: 1.01.0283.22042

The Ixxat USB-to-CAN V2 automotive is an easy, versatile and cost-efficient way to connect computers to fieldbus networks, enabling seamless integration into diverse industrial setups and various CAN applications. It offers two switchable CAN interfaces, one of which can be switched to CAN low-speed, and a LIN interface, each galvanically isolated.

PC interface adapter (2 x CAN, LIN), 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.

Dual CAN connection

Equipped with two CAN channels on RJ45 connectors, establishing a connection to up to two independent CAN bus systems.

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.

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.

Multiprotocol support

Supports CAN high-speed, CAN low-speed and LIN, offering a variety of connection options and flexibility for future requirements.

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.

Adapter cables included

Comes with two RJ45 to 9-pin D-Sub adapter cables for a quick and easy CAN connection.

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General

Net Width (mm)	50
Net Height (mm)	80
Net Depth (mm)	22
Net Weight (g)	157
Packed Width (mm)	14
Packed Height (mm)	4
Packed Depth (mm)	18
Packed Weight (g)	295
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 %, non-condensing
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, 2 x CAN adapter cable (20 cm, RJ45/Sub-D9 connector), available as free download: CAN driver VCI, simple CAN monitor "canAnalyser Mini", programming examples

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General

Not Included (in delivery)	Comprehensive and powerful driver and software packages are available as free download
Housing Materials	PC ABS, UL 94 VO
Packaging Material	Cardboard
Warranty (years)	1

Identification and Status

Product ID	1.01.0283.22042
Country of Origin	Sweden
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

Physical Features

Connectors / Input / Output	2 x RJ45 connector, 1 x USB type A connector
Contains Battery	No

CAN Features

CAN Mode	CAN high-speed (ISO 11898-2: 2016), CAN low-speed (ISO 11898-3)
CAN Transceiver	TI SN65HVD251
CAN Controller	CAN 2.0 A/B
CAN Baud Rate	CAN high-speed: 10 kBit/s to 1 MBit/s, CAN low-speed: 10 kBit/s to 125 kBit/s

LIN Features

LIN Mode	LIN V1.3 and V2.0/2.1, commander/responder mode and LIN frame format switchable via software
LIN Transceiver	TJA1020
LIN Baud Rate	max. 20 kBit/s

Certifications and Standards

Protection Class IP	IP40

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Certifications and Standards

ETIM Classification	EC000515
CE	Yes
FCC	Yes
UKCA	Yes
TELEC	No
WEEE Category	IT and telecommunications equipment