

USB-to-CAN/FD Standard Module

Item number: 1.01.0388.12003

The Ixxat USB-to-CAN/FD Standard Module with galvanic isolation offers a straightforward and economical solution for implementing CAN/CAN FD interfaces into customer devices. Its compact design and economic pricing make it an ideal choice for space-limited applications and series production.



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 an internal single row female header (2.54 pitch) 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.
- ✓ **Space-saving compact design**
The compact and space-efficient design makes it an ideal choice for setups where space is limited, without compromising on functionality and reliability.
- ✓ **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.



General

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	Other
Isolation Voltage (kV)	1 kV DC for 1 minute
Content of Delivery	USB-to-CAN/FD interface, 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	PCB mounting
Packaging Material	Cardboard
Warranty (years)	1

Identification and Status

Product ID	1.01.0388.12003
Predecessor	1.01.0288.12003
Country of Origin	Sweden
HS Code	8517620000
Dual Usage	No



Physical Features

Connectors / Input / Output	1 x CAN connector (single row female header, 2.54 pitch), 1 x USB connector (single row female header, 2.54 pitch)
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
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