USB-to-CAN/FD Pro Module

The Ixxat USB-to-CAN/FD Pro Module, featuring two channels and 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 (2x 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 two CAN FD channels (up to 8 Mbits) via internal single row female headers (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.

USB-to-CAN/FD Pro Module



General

Packed Weight (g)	260
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)	130 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)
Isolation	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
Mounting	PCB mounting
Packaging Material	Cardboard
Warranty (years)	1

Identification and Status

Product ID	1.01.0388.22003
Predecessor	1.01.0288.22003
Country of Origin	Sweden
HS Code	8517620000
Dual Usage	No

Physical Features

Connectors / Input / Output	2 x CAN connector (single row female header, 2.54 pitch), 1 x USB connector (single row female header, 2.54 pitch)

USB-to-CAN/FD Pro Module



Physical Features

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), non ISO 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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宏虹簡介

宏虹是一家團隊擁有超過 15 年經驗的高科技公司。依託於在測試領域多年的技術經驗和客戶積累，宏虹為國內外客戶提供全方位的電子測試/測量解決方案，致力於引領創新，透過深刻的洞察力，提供有價值的測試測量方案和技術服務。合作夥伴遍及全球，服務超過 5000 家企業。

服務與技術

我們的專業領域包括，汽車電子模擬及測試、射頻微波及無線通訊測試、半導體測試、無線頻譜監測與規劃、大物理和光電測試等。我們圍繞汽車電子、射頻微波、通訊、航空航太等行業提供專業可靠的解決方案。

成就與認可

我們已為汽車、電科、航空航天、通訊、教育、雷達科技、智能科技等多個行業，完成超過 1000 次的檢測和測量測試，提供使用者從硬體到軟體的不同方案，廣受客戶的好評與信任。選擇宏虹，就是選擇專業和可靠。我們將為您提供一站式解決方案、個性化客製服務以及專業可靠的售後技術支援，省時高效，助力企業實現自動化升級與數位化轉型。

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