

## Ixxat CAN expansion board

Item number: 1.01.0240.22103

The Ixxat CAN expansion board for the Ixxat CAN-IB series provides two additional high-speed CAN channels with D-Sub9 interfaces to the interface card. Connected via a ribbon cable, it provides two independent CAN circuits, ideal for systems requiring multiple distinct channels. The board is usable with fieldbus and MultiCAN expansions.



*Expansion board with slot plate for CAN interface cards*

### Features and benefits

- ✓ **Two additional CAN high-speed interfaces**  
Provides two additional high-speed CAN channels with D-Sub9 connectors, enhancing network capacities.
- ✓ **Establishing independent CAN circuits**  
Establishes two independent CAN circuits with high-speed CAN bus coupling, enabling separate communication channels.
- ✓ **Overvoltage protection**  
The board's bus coupling can be galvanically isolated, safeguarding against overvoltage and protecting from potential electrical damage.
- ✓ **Compatible with other expansions**  
Designed to work seamlessly with both fieldbus and MultiCAN expansions, enhancing overall system versatility.
- ✓ **Easy interface connection**  
Connected to the CAN interface card via an included ribbon cable, allowing for easy setup and flexible placement within the system.

# Ixxat CAN expansion board



General	
Net Width (mm)	64
Net Height (mm)	105
Net Weight (g)	110
Packed Width (mm)	13
Packed Height (mm)	5
Packed Depth (mm)	17
Packed Weight (g)	120
Operating Temperature °C Min	0
Operating Temperature °C Max	70
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Relative Humidity	10 to 95 %, non-condensing
Input Voltage (V)	3.3 V DC via CAN interface board
Isolation	500 V AC for 1 min. between CAN bus and internal logic
Configuration	configuration as PC interface or bridge via Bluetooth connection, usage of a terminal program or the CANblueCon Configuration Tool possible
Content of Delivery	Expansion board, user manual, ribbon cable (6.5 cm, IDC connector)
Mounting	PCB mounting
Packaging Material	Cardboard
Warranty (years)	1



## Identification and Status

Product ID	1.01.0240.22103
Country of Origin	Germany
HS Code	8517620000
Export Control Classification Number (ECCN)	EAR99
Supply Risk Factor ERP	Used in Volume 01

## Physical Features

Connectors / Input / Output	2 x D-Sub 9 connector, 1 x IDC connector
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## CAN Features

CAN Mode	CAN high-speed (ISO 11898-2), via optional expansion: 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, via optional expansion: CAN low-speed: 10 kBit/s to 125 kBit/s

## LIN Features

LIN Mode	via optional expansion: LIN (ISO 9141), LIN VBAT 8-48 V DC for product version 3.0 and newer, LIN VBAT 8-18 V DC for product version 2.0 and older
LIN Baud Rate	via optional expansion: 10 kBit/s to 25 kBit/s

## Certifications and Standards

ETIM Classification	EC000515
WEEE Category	IT and telecommunications equipment