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.

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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

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Identification and Status

Product ID	1.01.0240.22103
Country of Origin	Germany
HS Code	8517620000
Dual Usage	No

Physical Features

Connectors / Input / Output	2 x D-Sub 9 connector, 1 x IDC connector
Contains Battery	No

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

Product Certifications	CE
WEEE Category	IT and telecommunications equipment