

## Ixxat fieldbus expansion CAN LS/LIN

Item number: 1.01.0241.20100

The fieldbus expansion board for the Ixxat CAN-IB series enhances the card's capabilities with an additional low-speed CAN or LIN option. Acting as a piggy-back module, each existing CAN high-speed channel can be equipped with a separate expansion board, making it an effective solution for systems requiring versatile fieldbus communications.



*Piggyback module for CAN interface cards*

### Features and benefits

- ✓ **Enhanced protocol support**  
Adds CAN low-speed and LIN functionality to the system, supporting the integration of diverse fieldbus protocols for comprehensive connectivity.
- ✓ **Modular design**  
Either one or two fieldbus expansions can be used per CAN interface or CAN expansion board, providing flexibility for specific requirements.
- ✓ **Switchable LIN, CAN high- and low-speed channels**  
Each existing high-speed CAN channel can be switched to low-speed CAN or LIN through software, providing highest flexibility for future requirements.
- ✓ **Easy installation and compatibility**  
Designed as a piggy-back module for both PC interface cards and CAN expansion boards, enabling an efficient setup without extensive system modifications.
- ✓ **Supports external VBAT for LIN**  
Compatible with external VBAT for LIN, providing increased flexibility in automotive and industrial applications.
- ✓ **Overvoltage protection**  
Galvanic isolation safeguards against overvoltage and protects from potential electrical damage.



| General                      |  |
|------------------------------|--|
| Net Width (mm)               | 25   |
| Net Height (mm)              | 47   |
| Net Weight (g)               | 20   |
| Packed Width (mm)            | 13   |
| Packed Height (mm)           | 4  |
| Packed Depth (mm)            | 17   |
| Packed Weight (g)            | 40   |
| 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 |
| Content of Delivery          | Expansion board, user manual                           |
| Mounting                     | PCB mounting   |
| Packaging Material           | Cardboard  |
| Warranty (years)             | 1  |
| Identification and Status    |  |
| Product ID                   | 1.01.0241.20100  |



## Identification and Status

|   |                        |
|---|------------------------|
| Country of Origin                           | Germany                |
| HS Code                                     | 8517620000             |
| Export Control Classification Number (ECCN) | EAR99                  |
| Supply Risk Factor ERP                      | Volume not defined yet |

## Physical Features

|                             |                          |
|-----------------------------|--------------------------|
| Connectors / Input / Output | 3 x box header connector |
|-----------------------------|--------------------------|

## CAN Features

|                 |  |
|-----------------|--|
| CAN Mode        | CAN low-speed (ISO 11898-3)            |
| CAN Transceiver | NXP TJA1054                            |
| CAN Baud Rate   | CAN low-speed: 10 kBit/s to 125 kBit/s |

## LIN Features

|                 |  |
|-----------------|--|
| LIN Mode        | 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 Transceiver | MCP2562FDT-ESW   |
| LIN Baud Rate   | 10 kBit/s to 25 kBit/s   |

## Certifications and Standards

|                     |                                     |
|---------------------|-------------------------------------|
| ETIM Classification | EC001604                            |
| WEEE Category       | IT and telecommunications equipment |