

## Ixxat fieldbus expansion LIN

Item number: 1.01.0241.20014

The fieldbus expansion board for the Ixxat CAN-IB series enhances the card's capabilities with an additional 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 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 CAN high-speed and LIN channels**  
Each existing high-speed CAN channel can be switched to 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)	55
Packed Width (mm)	13
Packed Height (mm)	5
Packed Depth (mm)	17
Packed Weight (g)	55
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 %, no condensation
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	1.01.0241.20014
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## Identification and Status

Country of Origin	Germany
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

## Physical Features

Connectors / Input / Output	3 x box header connector
Contains Battery	No

## 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
CE	Yes
TELEC	No
WEEE Category	IT and telecommunications equipment