

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
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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

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
CE	Yes
TELEC	No
WEEE Category	IT and telecommunications equipment