



## Ixxat CAN-IB230/PCIe 104

Item number: 1.01.0239.42001

The Ixxat CAN-IB230/PCIe 104 is an active PCI Express 104 interface card with galvanic isolation that offers four high-speed CAN channels, one of each switchable to low-speed CAN and LIN. It is an easy and cost-efficient way to connect computers to CAN or LIN networks, enabling simple integration and supporting various CAN applications.

*PC interface card for CAN and LIN (4 x CAN), galv. isolated*

### Features and benefits

- ✓ **Active CAN interface card**  
Fulfills even high requirements in data pre-processing, like precise on-board time-stamping and data filtering.
- ✓ **Cost-effective connectivity**  
Offers a cost-effective solution, delivering high performance at an economical price. Ideal choice for demanding applications, without having to compromise on quality.
- ✓ **PCIe 104 interface**  
PCI Express interface supports high-speed data transmission, ideal for demanding industrial applications.
- ✓ **PCIe 104 form factor**  
The compact PCI/104-Express design makes it an ideal choice for industrial setups without compromising on functionality and reliability.
- ✓ **Switchable LIN, CAN high- and low-speed channels**  
Four CAN high-speed channels, one switchable via software to CAN low-speed, and one LIN channel, offering a variety of connection options and flexibility for future requirements.
- ✓ **Standard slot bracket**  
Standard slot bracket size ensures compatibility with a wide range of PC systems.
- ✓ **Installation of multiple cards**  
Integration of multiple cards in one PC allows easy channel extension, making it suitable even for demanding settings like test benches and manufacturing plants.
- ✓ **Overvoltage protection**  
Galvanic isolation safeguards against overvoltage and protects from potential electrical damage.
- ✓ **Comprehensive driver compatibility**  
Ixxat VCI driver packages support multiple fieldbuses and allow easy switching between different PC interface types. Available as free download.
- ✓ **Powerful programming interface**  
Ixxat offers versatile programming interfaces for Windows (VCI), Linux (ECI) and real-time OS (on request), enabling flexible development across multiple operating systems.
- ✓ **Analysis software included**  
Ixxat canAnalyser3 Mini is included in the VCI V4 download package and enables first steps in analyzing and monitoring CAN networks.



## Identification and Status

Product ID	1.01.0239.42001
Country of Origin	Germany
HS Code	8517620000
Export Control Classification Number (ECCN)	EAR99

## General

Net Width (mm)	96
Net Height (mm)	90
Net Weight (g)	240
Packed Width (mm)	15
Packed Height (mm)	5
Packed Depth (mm)	23
Packed Weight (g)	240
Operating Temperature °C Min	-40
Operating Temperature °C Max	85
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Relative Humidity	10 to 95 %, no condensation
Current Consumption Type Value at Vcc Nom (mA)	350 mA (3.3 V DC), 230 mA (5 V DC)
Input Voltage (V)	3.3/5 V DC via PCIe/104 socket
Isolation	1 kV DC/700 V AC for 1 sec., 800 V DC/500 V AC for 1 min.



## General

<b>Content of Delivery</b>	PC interface card, user manual, adapter cable (IDC/Sub-D9 connector), available as free download: CAN driver VCI, simple CAN monitor "canAnalyser Mini"
<b>Not Included (in delivery)</b>	Comprehensive and powerful driver and software packages are available as free download
<b>Mounting</b>	PCI Express
<b>Packaging Material</b>	Cardboard
<b>Warranty (years)</b>	1

## Physical Features

<b>Connectors / Input / Output</b>	4 x CAN connector (bent 2 x 5 pin connector), 1 x PCIe/104 Specification (V2.01)
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## CAN Features

<b>CAN Mode</b>	CAN high-speed (ISO 11898-2), CAN low-speed (ISO 11898-3)
<b>CAN Transceiver</b>	TI SN65HVD251
<b>CAN Controller</b>	CAN 2.0 A/B
<b>CAN Baud Rate</b>	CAN high-speed: 10 kBit/s to 1 MBit/s, CAN low-speed: 10 kBit/s to 125 kBit/s

## LIN Features

<b>LIN Mode</b>	LIN (ISO 9141)
<b>LIN Transceiver</b>	TJA1020

## Certifications and Standards

<b>ETIM Classification</b>	EC000515
<b>WEEE Category</b>	IT and telecommunications equipment