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.

PCIe 104 interface

PCI Express interface supports high-speed data transmission, ideal for demanding industrial applications.

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.

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.

Comprehensive driver compatibility

Ixxat VCI driver packages support multiple fieldbuses and allow easy switching between different PC interface types. Available as free download.

Analysis software included

Ixxat canAnalyser3 Mini is included in the VCI V4 download package and enables first steps in analyzing and monitoring CAN networks.

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 form factor

The compact PCI/104-Express design makes it an ideal choice for industrial setups without compromising on functionality and reliability.

Standard slot bracket

Standard slot bracket size ensures compatibility with a wide range of PC systems.

Overvoltage protection

Galvanic isolation safeguards against overvoltage and protects from potential electrical damage.

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.

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

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General

Warranty (years)	1

Identification and Status

Product ID	1.01.0239.42001
Country of Origin	Germany
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

Physical Features

Connectors / Input / Output	4 x CAN connector (bent 2 x 5 pin connector), 1 x PCIe/104 Specification (V2.01)
Contains Battery	No

CAN Features

CAN Mode	CAN high-speed (ISO 11898-2), 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, CAN low-speed: 10 kBit/s to 125 kBit/s

LIN Features

LIN Mode	LIN (ISO 9141)
LIN Transceiver	TJA1020

Certifications and Standards

ETIM Classification	EC000515
CE	Yes
FCC	Yes
TELEC	No
WEEE Category	IT and telecommunications equipment