



Ixxat CAN-IB630/PCIe 104

Item number: 1.01.0239.22010

The Ixxat CAN-IB630/PCIe is an active PCI Express 104 interface card with two CAN/CAN FD channels and galvanic isolation. It is an easy and cost-efficient way to connect computers to a CAN/CAN FD bus network. Based on a modular design, the card enables simple integration into diverse industrial setups, supporting various CAN applications.

PC interface card for CAN FD (2 x CAN FD), 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 CAN/CAN FD channels**
Equipped with two switchable CAN/CAN FD channels to send and receive ISO CAN FD, non-ISO CAN FD or CAN2.0A/B messages, offering fast data transmission and high flexibility.
- ✓ **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	1.01.0239.22010
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)	75
Packed Width (mm)	16
Packed Height (mm)	5
Packed Depth (mm)	23
Packed Weight (g)	237
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)	390 mA (3.3 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

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
Warranty (years)	1

Physical Features

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

CAN Mode	CAN high-speed (ISO 11898-2)
CAN Transceiver	TI SN65HVD251
CAN Controller	CAN 2.0 A/B
CAN Baud Rate	10 kBit/s to 1 Mbit/s

CAN FD Features

CAN FD Mode	ISO CAN FD, nonISO CAN FD
CAN FD Transceiver	TI SN65HVD251
CAN FD Baud Rate	Arbitration rate up to 1000 kBit/s, data rate up to 8000 kBit/s (verified by testing). User defined bit rates are possible.

LIN Features

LIN Mode	via optional expansion: LIN (ISO 9141)
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Certifications and Standards

ETIM Classification	EC000515
WEEE Category	IT and telecommunications equipment