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.

✓ **PCIe 104 interface**

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

✓ **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.

✓ **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.

Ixxat CAN-IB630/PCIe 104

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.
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	1.01.0239.22010
Country of Origin	Germany
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

Physical Features

Connectors / Input / Output	2 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 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)

Certifications and Standards

ETIM Classification	EC000515
CE	Yes
FCC	Yes

Certifications and Standards

TELEC	No
WEEE Category	IT and telecommunications equipment