

## Ixxat CAN-IB100/PCle

Item number: 1.01.0231.12001

The Ixxat CAN-IB100/PCle is a passive PCI Express interface card with one CAN channel and galvanic isolation, equipped with a standard profile slot bracket. It is an easy and cost-efficient way to connect computers to a CAN bus network. Based on a modular design, the card enables simple integration, supporting various CAN applications.



*PC interface card for CAN (1 x CAN), galv. isolated*

### Features and benefits

- ✓ **Passive CAN interface card**  
Direct access to CAN networks – suitable for applications where a straightforward, microcontroller-free connection is required.
- ✓ **PCle interface**  
Single-lane (1x) PCI Express interface supports high-speed data transmission, ideal for demanding industrial applications.
- ✓ **Standard slot bracket**  
Standard slot bracket size ensures compatibility with a wide range of PC systems.
- ✓ **Modular architecture for easy expansion**  
Modern and modular concept enables easy extension with customer specific interfaces via expansion boards and piggyback modules.
- ✓ **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.
- ✓ **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.
- ✓ **Use in industrial and standard PCs**  
PC board with slot plate for fixed installation in desktop or industrial PCs, providing reliable connectivity.
- ✓ **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.
- ✓ **Expandable low-speed CAN channel**  
Expansion boards for additional low-speed CAN channel supported – switchable through software.
- ✓ **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.



| General                                        |                                                                                                                   |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Net Width (mm)                                 | 120                                                                                                               |
| Net Height (mm)                                | 19                                                                                                                |
| Net Depth (mm)                                 | 120                                                                                                               |
| Net Weight (g)                                 | 190                                                                                                               |
| Packed Width (mm)                              | 134                                                                                                               |
| Packed Height (mm)                             | 43                                                                                                                |
| Packed Depth (mm)                              | 174                                                                                                               |
| Packed Weight (g)                              | 190                                                                                                               |
| Operating Temperature °C Min                   | 0                                                                                                                 |
| Operating Temperature °C Max                   | 70                                                                                                                |
| Storage Temperature °C Min                     | -40                                                                                                               |
| Storage Temperature °C Max                     | 85                                                                                                                |
| Current Consumption Type Value at Vcc Nom (mA) | 350 mA (3.3 V DC)                                                                                                 |
| Current Consumption Max value at Vcc nom (mA)  | 400 mA (3.3 V DC)                                                                                                 |
| Input Voltage (V)                              | 3.3 V DC via PCIe socket                                                                                          |
| Power Connector                                | PCIe socket (3.3 V / 12 V DC)                                                                                     |
| Isolation                                      | 1 kV DC for 1 sec.                                                                                                |
| Content of Delivery                            | PC interface card, user manual, 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                            |



## General

|                    |             |
|--------------------|-------------|
| Mounting           | PCI Express |
| Packaging Material | Cardboard   |
| Warranty (years)   | 1           |

## Identification and Status

|                   |                 |
|-------------------|-----------------|
| Product ID        | 1.01.0231.12001 |
| Country of Origin | Germany         |
| HS Code           | 8517620000      |
| Dual Usage        | No              |

## Physical Features

|                             |                                                                      |
|-----------------------------|----------------------------------------------------------------------|
| Connectors / Input / Output | 1 x D-Sub 9 connector, 1 x PCI express (V1.1), single lane port (x1) |
| Contains Battery            | No                                                                   |

## CAN Features

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

## Certifications and Standards

|                        |                                     |
|------------------------|-------------------------------------|
| Product Certifications | CE, FCC                             |
| WEEE Category          | IT and telecommunications equipment |