



Ixxat CAN-IB120/PCIe Mini

Item number: 1.01.0237.90002

The Ixxat CAN-IB120/PCIe Mini is a passive PCI Express Mini interface card with two CAN channels, galvanic isolation and top-entry CAN socket. It is an easy and cost-efficient way to connect computers to a CAN bus network. Thanks to its very compact dimensions, the card is especially suitable for applications with limited space.

PC interface card for CAN (2 x CAN), top-entry

Features and benefits

- ✓ **Passive CAN interface card**
Direct access to CAN networks – suitable for applications where a straightforward, microcontroller-free connection is required.
- ✓ **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 Mini interface**
Single-lane (1x) PCI Express interface supports high-speed data transmission, ideal for demanding industrial applications.
- ✓ **Compact PCIe Mini form factor**
With its PCIe Mini form factor, this variant is ideal for small devices and mobile applications with limited available space.
- ✓ **Top entry CAN socket**
CAN socket is facing upwards, perfect for systems that require easy vertical access for 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.
- ✓ **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.
- ✓ **Streamlined bulk version**
This bulk version comes without driver CD, manual, or individual packaging. This approach reduces waste, while maintaining full product functionality.



| General | |
|---|--|
| Net Width (mm) | 30 |
| Net Height (mm) | 51 |
| Net Weight (g) | 50 |
| Packed Weight (g) | 50 |
| 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 %, non-condensing |
| Current Consumption Max value at Vcc nom (mA) | 230 mA (3.3 V DC) |
| Input Voltage (V) | 3.3 V DC via PCIe Mini socket |
| Isolation | 1 kV DC for 1 sec. |
| Configuration | configuration as PC interface or bridge via Bluetooth connection, usage of a terminal program or the CANblueCon Configuration Tool possible |
| Content of Delivery | PC interface card, CAN connection cable open style (20 cm, 03SUR-32S to SM03B-SURS-TF), available as free download: user manual, CAN driver VCI, simple CAN monitor "canAnalyser Mini" |
| Not Included (in delivery) | Without individual packaging; user manual and comprehensive and powerful driver and software packages are available as free download |
| Mounting | Mini PCI Express |
| Packaging Material | Cardboard |
| Warranty (years) | 1 |

| Identification and Status | |
|---------------------------|-----------------|
| Product ID | 1.01.0237.90002 |



Identification and Status

| | |
|---|------------|
| Country of Origin | Germany |
| HS Code | 8517620000 |
| Export Control Classification Number (ECCN) | EAR99 |

Physical Features

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|-----------------------------|--|
| Connectors / Input / Output | 2 x CAN connector type SM03B-SURS-TF by JST, 1 x PCI Express Mini Base Specification (V1.1), single lane port (x1) |
|-----------------------------|--|

CAN Features

| | |
|-----------------|------------------------------|
| CAN Mode | CAN high-speed (ISO 11898-2) |
| CAN Transceiver | TI SN65HVD230 |
| CAN Controller | CAN 2.0 A/B |
| CAN Baud Rate | 10 kBit/s to 1 Mbit/s |

Certifications and Standards

| | |
|---------------------|-------------------------------------|
| ETIM Classification | EC000515 |
| WEEE Category | IT and telecommunications equipment |