Ixxat CAN-IB120/PCIe Mini



Item number: 1.01.0237.90001

The Ixxat CAN-IB120/PCIe Mini is a passive PCI Express Mini interface card with one CAN channel, 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 (1 x CAN), top-entry, 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.

PCIe Mini interface

Single-lane (1x) PCI Express interface supports high-speed data transmission, ideal for demanding industrial applications.

Top entry CAN socket

CAN socket is facing upwards, perfect for systems that require easy vertical access for connectivity.

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.

Streamlined bulk version

This bulk version comes without driver CD, manual, or individual packaging. This approach reduces waste, while maintaining full product functionality.

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.

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.

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.

Ixxat CAN-IB120/PCIe Mini



General

Net Width (mm)	30
Net Height (mm)	51
Net Weight (g)	15
Packed Width (mm)	14
Packed Height (mm)	1
Packed Depth (mm)	11
Packed Weight (g)	15
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 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.
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

Ixxat CAN-IB120/PCIe Mini



General

Warranty (years)	1

Identification and Status

Product ID	1.01.0237.90001
Country of Origin	Germany
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN) (Applies only to the U.S)	EAR99

Physical Features

Connectors / Input / Output	1 x CAN connector type SM03B-SURS-TF by JST, 1 x PCI Express Mini Base Specification (V1.1), single lane port (x1)
Contains Battery	No

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

Product Certifications	CE, FCC
WEEE Category	IT and telecommunications equipment