Ixxat®
BY HMS NETWORKS

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.

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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)	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

ETIM Classification	EC000515
CE	Yes
FCC	Yes
TELEC	No
WEEE Category	IT and telecommunications equipment