IXXAT®

PC CAN Interfaces

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CAN-IB100/PCIe

Passive CAN Interface for PCI Express

1-4 x CAN (High-/Low-Speed)

With the CAN-IB100/PCIe HMS offers an interface board based on a modern and highly modular concept. The interface is available with a standard or a low-profile slot bracket.

Installation

Manuals

Features and benefits

- Economically priced passive board (no microprocessor on board)
- Easy expandable via field bus expansion and expansion board
- Up to four CAN channels (High-/Low-Speed optional switchable)
- Available as standard and low-profile version
- Optional galvanic isolation of the CAN interface
- Uniform driver packages support all IXXAT CAN and CAN-FD interfaces and allow easy change of the PC interface type
- Powerful programming interface for Windows "VCI" as well as "ECI" for Linux, QNX, RTX, INtime and VxWorks

The CAN-IB100/PCIe is available with up to four CAN channels and can be delivered with galvanic isolated interfaces. For use in the automotive field the high-speed CAN channels can optionally be switched to low-speed CAN via software. Multiple CAN cards can be installed within one PC if more than four CAN channels are required.
Furthermore, the modular architecture of the interface card enables the easy extension with customer specific interfaces via piggyback modules.

The board is supported by the IXXAT driver packages and higher layer protocol APIs as well as by the IXXAT tool suite. A detailed software support overview can be found ⊙ here.

Technical specifications ⌄

Contents of delivery

- PC/CAN interface card, manual
- CAN driver VCI for Windows 2000, XP, Vista, Windows 7, Windows 8
- Simple CAN monitor "canAnalyser Mini"

Order numbers

Standard Slot Bracket Version

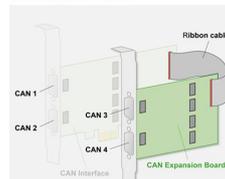| CAN ports	Galv. iso.	Order numbers	Optional expansions	Additional information
1	-	1.01.0231.11000		
1	X	1.01.0231.12001	1 x 1.01.0241.20001 Low Speed CAN Fieldbus Expansion with galv. iso.	
2	-	1.01.0231.21000		
2	X	1.01.0231.22001	1-2 x 1.01.0241.20001 Low Speed CAN Fieldbus Expansion with galv. iso.	
4	X	1.01.0231.22001 + 1.01.0242.22000 Multi CAN Expansion		Two CAN ports on each SUB-D9 plug
4	X	1.01.0231.22001 + 1.01.0240.22103 CAN Expansion Board	1-4 x 1.01.0241.20001 Low Speed CAN Fieldbus Expansion with galv. iso.	Two slot bracket ports required

Low Profile Slot Bracket Version

CAN ports	Galv. iso.	Order numbers	Optional expansions	Additional information
1	X	1.01.0232.12001	1 x 1.01.0241.20001 Low Speed CAN Fieldbus Expansion with galv. iso.	
2	X	1.01.0232.22001	1-2 x 1.01.0241.20001 Low Speed CAN Fieldbus Expansion with galv. iso.	Two slot bracket ports required
4	X	1.01.0232.22001 + 1.01.0242.00001 Multi CAN Expansion		Two CAN ports on each SUB-D9 plug

Two slot bracket ports required |
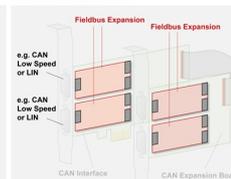| 4 | X | 1.01.0232.22001 + 1.01.0240.22203 CAN Expansion Board | 1-4 x 1.01.0241.20001 Low Speed CAN Fieldbus Expansion with galv. iso. | Four slot bracket ports required |

Expansions

(click to enlarge)
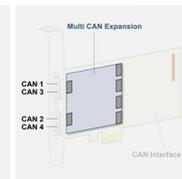
CAN Expansion Board

- Connected to the CAN Interface using a ribbon cable
- Provides 2 additional CAN channels
- Supports "Field Bus Expansion" piggy-backs
- Available as standard and low profile slot bracked version

Fieldbus Expansion

- Piggy-back module for the CAN Interface and CAN Expansion Board
- 1 or 2 Fieldbus Expansions can be used per CAN Interface or CAN Expansion Board
- **Expands** the existing CAN High Speed channel by a switchable CAN Low Speed channel or a LIN channel

Multi CAN Expansion

- Piggy-back module for the CAN Interface (can not be used with the CAN Expansion Board)
- Provides **two additional** CAN channels

Related products

CANopen Master API
- CANopen Windows API
- For service & test app.

SAE J1939 API
- Windows API
- For service & test applications

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