

## 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.



#### FEATURES AND BENEFITS

- Economically priced passive card (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

#### VERSIONS

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.

#### TECHNICAL SPECIFICATIONS

<b>PC bus interface</b>	PCI express (V1.1)
<b>PC address range</b>	Plug & Play
<b>Interrupts</b>	Plug & Play
<b>CAN interface</b>	1, 2 or 4 CAN interfaces; CAN 2.0 A/B; Sub-D9 plug according to CiA 303-1 <b>Optional:</b> CAN Low-Speed (switchable via software between CAN High-Speed and Low-Speed) <b>Optional:</b> Galvanic isolation (1 kV, 1 sec.)
<b>Power supply</b>	3.3 V DC, 350 mA typ.
<b>Temperature range</b>	0 °C ... +70 °C
<b>Certification</b>	CE, FCC
<b>Size</b>	Approx. 65 x 105 mm (available as standard and low-profile version)

#### CONTENTS OF DELIVERY

- PC/CAN interface card, manual
- CAN driver VCI for Windows 11, Windows 10 (32/64) / Windows 8 (32/64) / Windows 7 (32/64) / Windows XP SP2 (older versions on request)
- Simple CAN monitor "canAnalyser Mini"

File

Version

Size

Read online

Order numbers

### Standard Slot Bracket Version

CAN ports	Galv. iso.	Order numbers	Optional expansions	Additional information
1	-	<b>1.01.0231.11000</b>		
1	X	<b>1.01.0231.12001</b>	<b>1 x 1.01.0241.20001</b> Low Speed CAN Fieldbus Expansion with galv. iso.	
2	X	<b>1.01.0231.22001</b>	<b>1-2 x 1.01.0241.20001</b> Low Speed CAN Fieldbus Expansion with galv. iso.	
4	X	<b>1.01.0231.22001</b> + <b>1.01.0242.22000</b> Multi CAN Expansion		Two CAN ports on each SUB-D9 plug
4	X	<b>1.01.0231.22001</b> + <b>1.01.0240.22103</b> CAN Expansion Board	<b>1-4 x 1.01.0241.20001</b> 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	<b>1.01.0232.12001</b>	<b>1 x 1.01.0241.20001</b> Low Speed CAN Fieldbus Expansion with galv. iso.	

## Expansions

### 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 bracketed 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


### Multi CAN Expansion

**■** Piggy-back module for the CAN Interface (can not be used with the CAN Expansion Board)

**■** Provides two **additional** CAN channels

## Accessories

Product image	Type	Order number
	<b>Sub-D9 Connector with CAN Termination</b>	1,04,0075,03000

	<b>CAN cable</b>	1.04.0076.00180
	<b>Y CAN cable</b>	1.04.0076.00001
More accessories and detailed information...		

---

Copyright © 2020 HMS Industrial Networks - All rights reserved.

