Ixxat ®
BY HMS NETWORKS

CAN-IB300/PCI

Passive CAN Interface for PCI

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

With the CAN-IB300/PCI IXXAT offers an interface board based on a modern and highly modular concept.

FEATURES AND BENEFITS

- Economically priced passive PCI board (no microprocessor on board)
- Easy expandable via field bus expansion and expansion board
- Up to four CAN channels (High-/Low-Speed optional switchable)
- 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-IB300/PCI is available with up to four CAN channels and 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. Furthermore, the modular architecture of the interface card enables the easy extension with customer specific interfaces via piggyback modules.
Multiple cards can be installed in one PC if more CAN channels are required.

TECHNICAL SPECIFICATIONS

PC bus interface	PCI (V2.2)
PC address range	Plug & Play
Interrupts	Plug & Play
CAN interface	1, 2 or 4 CAN interfaces; CAN 2.0 A/B; Sub-D9 plug according to CiA 303-1; Galvanic isolation (1 kV, 1 sec.) **Optional**: CAN Low-Speed (switchable via software between CAN High-Speed and Low-Speed)
Power supply	typ. 3.3 V DC, 100 mA / 5 V DC, 100 mA
Temperature range	0 ºC ... +70 ºC
Certification	CE, FCC
Size	Approx. 65 x 120 mm

CONTENTS OF DELIVERY

- PC/CAN PCI 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"

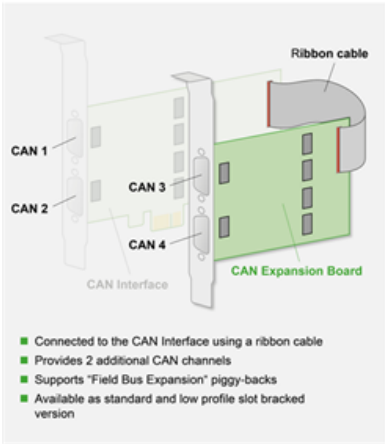| File	Version	Size	Read online

Order numbers

CAN ports	Galv. iso.	Order numbers	Optional expansions	Additional information

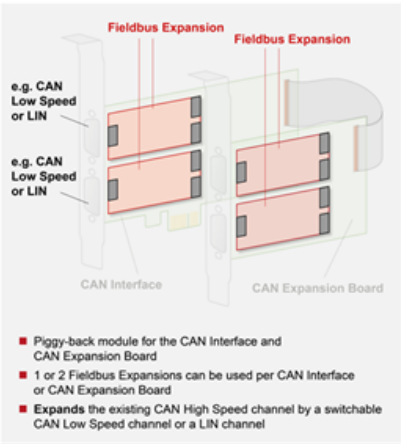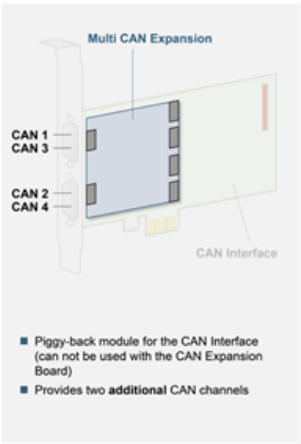| 1	X	1.01.0291.12001	1 x 1.01.0241.20001 Low Speed CAN Fieldbus Expansion with galv. iso.	
2	X	1.01.0291.22001	1-2 x 1.01.0241.20001 Low Speed CAN Fieldbus Expansion with galv. iso.	
4	X	1.01.0291.22001 + 1.01.0242.22000 Multi CAN Expansion		Two CAN ports on each SUB-D9 plug
4	X	1.01.0291.22001 + 1.01.0240.22103 CAN Expansion Board	1-4 x 1.01.0241.20001 Low Speed CAN Fieldbus Expansion with galv. iso.	Two slot bracket ports required

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

Accessories

Product image	Type	Order number
	Sub-D9 Connector with CAN Termination	1.04.0075.03000
	CAN cable	1.04.0076.00180
	Y CAN cable	1.04.0076.00001
More accessories and detailed information…		