

CAN-IB200/PCle



With the CAN-IB200/PCle IXXAT offers an interface board based on a modern and highly modular concept. The card covers the entire range of field buses, such as CAN (ISO 11898-2), fault tolerant CAN (ISO 11898-3), LIN and K-LINE. With its powerful 32 bit microcontroller system the CAN-IB200/PCle fulfills even high requirements in data pre-processing, like intelligent data handling and active filtering of the received and transmitted messages. The interface is available with a standard or a low-profile slot bracket.

The CAN-IB200/PCle 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. In addition, the card can be equipped with up to four LIN or K-Line interfaces. Furthermore, the modular architecture of the interface card enables the easy extension with customer specific interfaces via piggyback modules.

Due to the high number of interfaces, the board is also suitable for demanding applications - such as test benches, handling systems or manufacturing plants. If necessary, the number of interface channels can be extended by using multiple cards within one PC.

For the connection to the PC, IXXAT delivers the card with its proven VCI driver for Windows 2000, XP, Vista and Windows7. The driver supports all interfaces on the card and allows their usage both with customer specific programs or with the analysis and configuration tools from IXXAT. The VCI driver also supports all other PC interfaces offered by IXXAT, which enables the user to easily switch the type of interface without any adaptation of the customer application.

Technical Data

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| PC bus interface | PCI express (V1.1) |
| PC address range | Plug & Play |
| Interrupts | Plug & Play |
| Microcontroller | 32 bit microcontroller |
| CAN interface | 1, 2 or 4 CAN interfaces; CAN 2.0 A/B; Sub-D9 plug according to CiA 303-1 Optional: CAN Low-Speed (switchable via software between CAN High-Speed and Low-Speed) Optional: Galvanic isolation (1 kV, 1 sec.) |
| LIN/K-Line interface | Optional: up to 4 LIN (ISO 9141) or K-Line interfaces; Sub-D9 plug |
| Power supply | 3.3 V DC, 390 mA typ. |
| Temperature range | 0 °C ... +70 °C |
| Certification | CE, FCC |
| Size | Approx. 65 x 105 mm (available as standard and low-profile version) |

Order number

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| 1.01.0233.11000 | CAN-IB200/PCIe, 1 x CAN Interface High-Speed |
| 1.01.0233.12000 | CAN-IB200/PCIe, 1 x CAN Interface High-Speed, Galv. Isolation |
| 1.01.0233.21000 | CAN-IB200/PCIe, 2 x CAN Interface High-Speed |
| 1.01.0233.22001 | CAN-IB200/PCIe, 2 x CAN Interface High-Speed, Galv. Isolation |
| 1.01.0234.11000 | CAN-IB200/PCIe Low Profile, 1 x CAN Interface High-Speed |
| 1.01.0234.12000 | CAN-IB200/PCIe Low Profile, 1 x CAN Interface HS, Galv. Isolation |
| 1.01.0234.21000 | CAN-IB200/PCIe Low Profile, 2 x CAN Interface High-Speed |
| 1.01.0234.22001 | CAN-IB200/PCIe Low Profile, 2 x CAN Interface HS, Galv. Isolation |

Expansions

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| 1.01.0240.12100 | Expansion Board, 1 x CAN Interface High-Speed, Galvanic Isolation |
| 1.01.0240.22100 | Expansion Board, 2 x CAN Interface High-Speed, Galvanic Isolation |
| 1.01.0240.12200 | Expansion Board Low Profile, 1 x CAN Interface HS, Galv. Isolation |
| 1.01.0240.22200 | Expansion Board Low Profile, 2 x CAN Interface HS, Galv. Isolation |
| 1.01.0241.10001 | Field Bus Expansion, 1 x CAN Interface Low Speed |
| 1.01.0241.10002 | Field Bus Expansion, 1 x LIN |
| 1.01.0241.10003 | Field Bus Expansion, 1 x K-Line |
| 1.01.0241.10100 | Field Bus Expansion, 1 x CAN Inter. Low Speed + 1 x LIN |
| 1.01.0241.10101 | Field Bus Expansion, 1 x CAN Interf. Low Speed + 1 x K-Line |