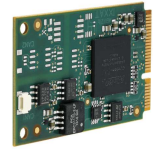




## CAN-IB520/PCIe Mini

### Passive CAN FD Interface for PCI Express Mini



#### 1 x CAN FD, CAN

With the CAN-IB520/PCIe Mini HMS offers an interface board specially designed for applications which require the implementation of a CAN FD interface with minimum space requirements. The interface has one CAN channel and can send and receive CAN FD (ISO as well as non-ISO format) or CAN 2.0 A/B messages.

#### FEATURES AND BENEFITS

- Economically priced passive board (no microprocessor on board)
- Extremely compact design
- One CAN channel (High Speed CAN oder CAN-FD)
- 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

If necessary, the number of interface channels can be extended by using multiple cards within one PC.

#### TECHNICAL SPECIFICATIONS

|                          |                                                                                                                                                                                                                                                                                                                                    |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PC bus interface</b>  | PCI Express Mini Card (V1.2)                                                                                                                                                                                                                                                                                                       |
| <b>PC address range</b>  | Plug & Play                                                                                                                                                                                                                                                                                                                        |
| <b>Interrupts</b>        | Plug & Play                                                                                                                                                                                                                                                                                                                        |
| <b>CAN interface</b>     | One CAN interfaces; CAN FD or CAN 2.0 A/B; galvanic isolation (1 kV, 1 sec.)                                                                                                                                                                                                                                                       |
| <b>CAN bitrates</b>      | 10 kbit/s to 1 Mbit/s (high-speed)                                                                                                                                                                                                                                                                                                 |
| <b>CAN FD bitrates</b>   | Arbitration rate up to 1000 kBit/s, data rate up to 8000 kbit/s. The data rates are verified by tests. User-defined bit rates are possible.<br>Attention: The maximum data rate can be exceeded depending on the concrete operating conditions (cable length, settings made, remote stations,...), but it can also not be reached. |
| <b>Power supply</b>      | 3.3 V DC                                                                                                                                                                                                                                                                                                                           |
| <b>Temperature range</b> | -40 °C ... +85 °C                                                                                                                                                                                                                                                                                                                  |
| <b>Certification</b>     | CE, FCC                                                                                                                                                                                                                                                                                                                            |
| <b>Size</b>              | 30 × 50.95 mm                                                                                                                                                                                                                                                                                                                      |

CONTENTS OF DELIVERY

- PC/CAN interface card, manual
- CAN connection cable open style (20 cm)
- CAN driver VCI for Windows 2000, XP, Vista, Windows 7, Windows 8, Windows 10, Windows 11
- Simple CAN monitor "canAnalyser Mini"

Order numbers

| CAN FD ports | Galv. iso. | Order numbers   | Additional information                                 |
|--------------|------------|-----------------|--------------------------------------------------------|
| 1            | X          | 1.01.0237.12010 | CAN socket aligned to the end of the card (back entry) |

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...                                        |                                       |                 |

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