

CAN-IB120/PCIe Mini



The Ixxat CAN-IB120/PCIe Mini is a passive PCI Express Mini interface card with two CAN channels. It is an easy and very cost-efficient way to connect computers to a CAN bus network. Thanks to its extremely compact dimensions, the card is especially suitable for applications with limited space.

The CAN socket is aligned to the end of the card for back entry.

FEATURES AND BENEFITS

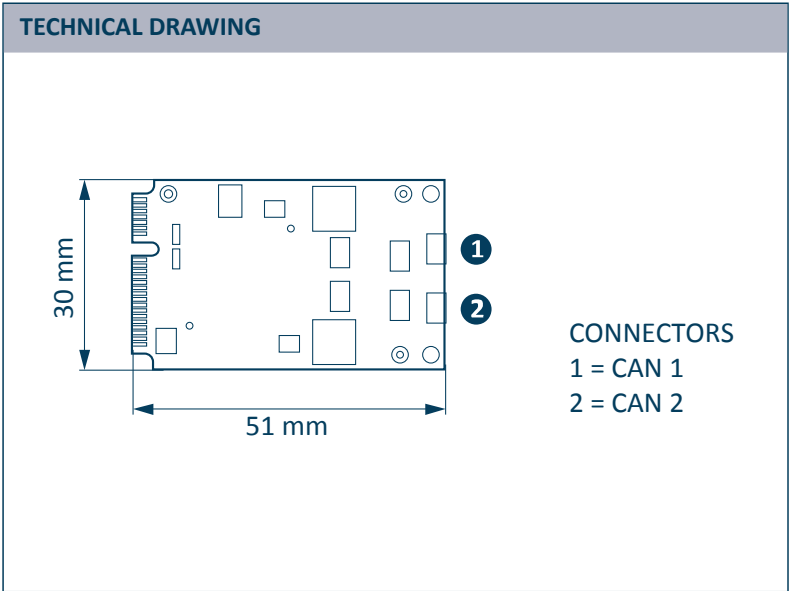
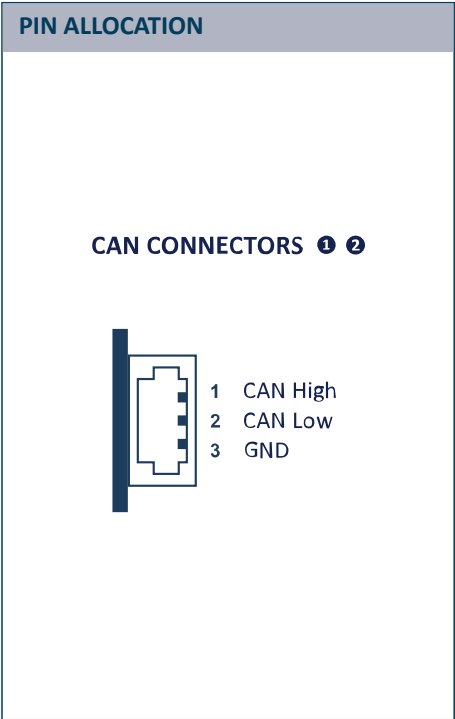
- Cost-effective, passive CAN interface card for PCI Express Mini
- Extremely compact design
- 2 x CAN high-speed channels
- Single Lane (x1) PCI Express Interface
- Common driver interface for easy exchange of the PC interface type
- Powerful programming interface for Windows (VCI) as well as for Linux (socketCAN or ECI), QNX and VxWorks (ECI)

ORDER NUMBER	1.01.0237.21000
CAN channels (high-speed)	2
CAN bus interface	SM03B-SURS-TF by JST
CAN bit rates	10 kBit/s to 1 Mbit/s
CAN high-speed transceiver	SN65HVD230
Galvanic isolation	-
CAN propagation delay (typical)	-
PC bus interface	PCI Express Mini Base Specification, Rev 1.1, single lane port (x1)
PC address range/interrupts	Plug & Play
Power supply	3.3 V DC (via PCIe Mini Card connector)
Power consumption	Max. 230 mA
Dimensions	30 x 51 mm
Weight	Approx. 6 g
Operating temperature	-40 °C to +85 °C
Storage temperature	-40 °C to +85 °C
Relative humidity	10 % to 95 %, non-condensing
Certification	CE, FCC

ORDER NUMBER	1.01.0237.21000
Operating systems	Windows 11, Windows 10 (32/64), Windows 8 (32/64), Windows 7 (32/64), Linux
Additional information	CAN socket aligned to the end of the card (back entry), also available as top entry version



ACCESSORIES	ORDER NUMBER
Termination adapter for CAN/CAN FD (D-Sub plug to socket)	1.04.0075.03000
CAN cable 2.0 m (D-Sub plug to socket)	1.04.0076.00180
CAN Y cable 0.22 m	1.04.0076.00001



SOFTWARE SUPPORT

Drivers and programming interfaces

Comprehensive and powerful driver and software packages for the CAN-IB120/PCIe Mini series are available for free at ixxat.com/support. The driver packages can be downloaded for Windows (VCI - Virtual Communication Interface) and Linux (ECI), and are available on request for various real-time operating systems (INtime, RTX, Vxworks, QNX).

Using the Ixxat driver packages, customers can easily switch between the different PC interfaces offered by HMS. This would allow them to use USB, PCIe, Ethernet or other PC connections without changes to their application. The drivers support all protocols available on the interface with one API, so customers can easily access CAN, CAN FD and LIN simultaneously and get the data with a common time stamp.

Softwaretools

The software tool canAnalyser3 Mini is included in the VCI V4 download package and enables the first analysis steps and monitoring in CAN networks. Further information about the tools as well as Demo/Trial versions are available on the Ixxat webpage.