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CAN-PCI/331

Up to Two Channel PCI-CAN Interface (Layer 2, CANopen® or J1939)

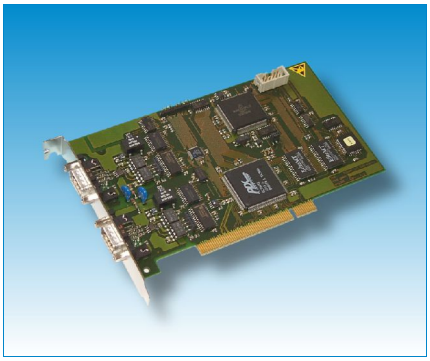
1 or 2 Channel CAN Interface for PCs available with high-speed and low-speed CAN Versions

- *Up to two high-speed CAN interfaces according to ISO 11898, electrically isolated*
- *1x low-speed CAN interface according to ISO 11519-2 available*
- *Powerful microcontroller 68331 reduces CPU load*

Real-time OS Support and Higher Layer Protocols CANopen and J1939

- *Software drivers for Windows®, VxWorks®, Linux®, QNX®*
- *CANopen and J1939 protocol libraries are available*

Well-established Product, approved in medical Applications



Powerful CAN Interfaces for PCs

The module CAN-PCI/331 is a PC board designed for the PCI bus. It uses a microcontroller of type 68331, which cares for the local CAN data management. The CAN data is stored in a local SRAM. Reliability of data and data consistency is guaranteed for up to 1 Mbit/s.

CAN Interface

The ISO 11898 compliant CAN interfaces allow a data transfer rate of 1 Mbit/s. The CAN interface is electrically isolated from the other potentials.

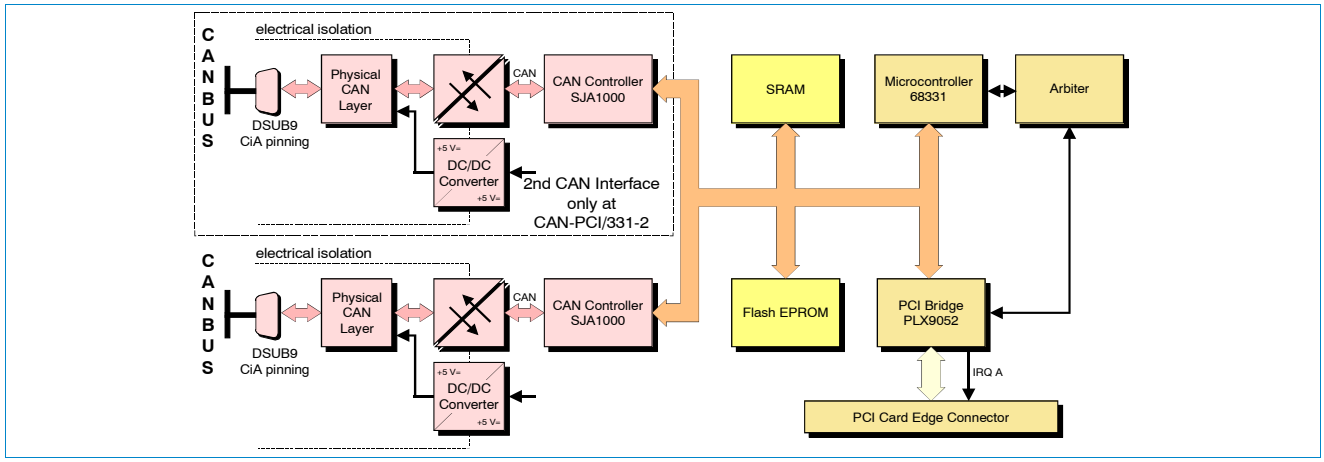
Software Support

Software drivers are available for Windows®, Linux®, RTX, VxWorks®, QNX®, SGI®-IRIX®6.5, AIX® and Solaris®. Drivers for other operating systems are available as well.

Custom firmware is possible.

Libraries for the higher layer protocols CANopen and J1939 are available.

Additional free-of-charge esd CAN tools for Windows offer efficient setup and analysis of CAN applications and networks.



Technical Specifications:

PCI Interface and Microcontroller:	
PCI bridge	*PLX PCI9052*
PCI standard	*PCI bus according to PCI Local Bus Specification 2.1*
Microcontroller	*68331*
Memory equipped	*128 k x 16 bits SRAM, 128 k x 8 bits Flash EPROM*
CAN Bus:	
CAN controller	*SJA1000, ISO 11898-1*
CAN interface	*differential, electrically isolated, 1 Mbit/s, ISO 11898-2*
General:	
Temperature	*0...50°C*
Humidity	*max. 90 %, non-condensing*
Supply voltage	*5 VDC*
Connector	*CAN: 9-pin DSUB (male)*

Order Information:

Hardware	*Order No.*
CAN-PCI/331-1 1xCAN 11-bit	*C.2020.02*
CAN-PCI/331-1 1xCAN 29-bit	*C.2020.03*
CAN-PCI/331-2 2xCAN 11-bit	*C.2020.04*
CAN-PCI/331-2 2xCAN 29-bit	*C.2020.05*
CAN-PCI/331-2 1xCAN low-speed, ISO 11519-2 1xCAN high-speed, ISO 11898	*C.2020.40*

CAN layer 2 drivers for Windows and Linux are included in delivery[1].

Software Support	
Additional CAN layer 2 object licences including CD-ROM[1]:	
CAN-DRV-LCD QNX	*C.1101.32*
CAN-DRV LCD RTX	*C.1101.35*
CAN-DRV LCD VxWorks	*C.1101.55*
CANopen object licences including CD-ROM[1]:	
CANopen-LCD Windows/Linux	*C.1101.06*
CANopen-LCD QNX	*C.1101.17*
CANopen-LCD RTX	*C.1101.16*
CANopen-LCD VxWorks	*C.1101.18*
J1939 Stack object licenses including CD-ROM[1]:	
J1939 Stack for Windows	*C.1130.10*
J1939 Stack for Linux	*C.1130.11*

1 For detailed information about driver availability for your operating system please contact our sales team.

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