

CAN-ISA/331

ISA-CAN Interface (Layer 2, CANopen® or J1939)

1 or 2 Channel High-Speed CAN Interface for PCs

- Up to two high-speed CAN interfaces according to ISO 11898, electrically isolated
- 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

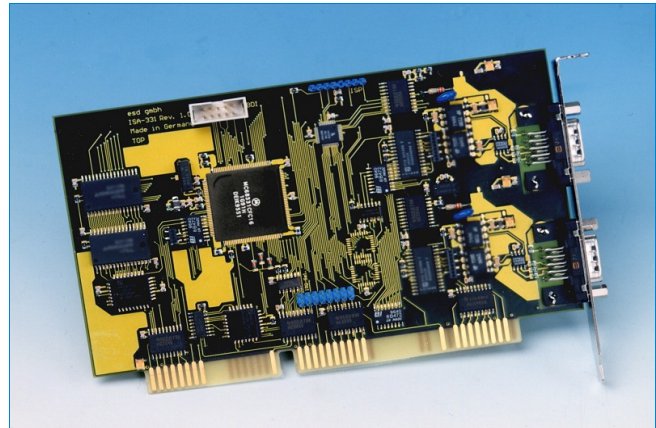
Well-established Product

Powerful CAN Interfaces for PCs

The module CAN-ISA/331 is a PC board designed for the ISA bus (ISA 16 bit). It uses a 68331 microcontroller, which cares for the local CAN data management. The CAN data is stored in the local SRAM. Security and consistency of data 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 interfaces are electrically isolated from the other potentials.

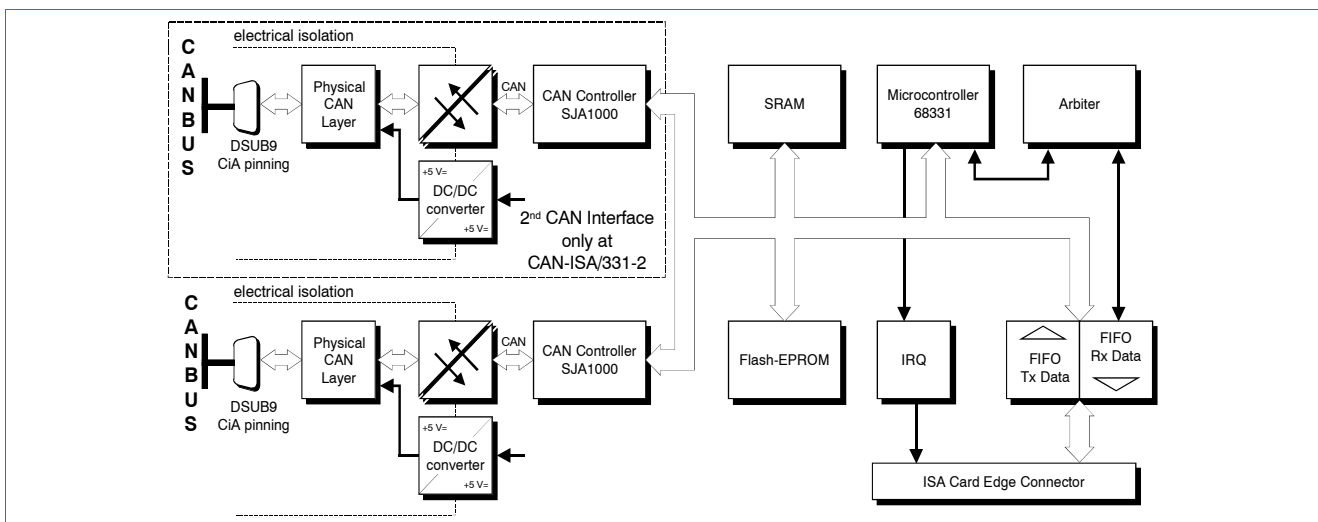


Software Support

Software drivers are available for Windows®, Linux®, VxWorks® and QNX®. Drivers for other operating systems are available as well. 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.

(This product is not recommended for new designs.)



Technical Specifications:

ISA Interface and Microcontroller:	
ISA interface	Data: IN/OUT FIFOs (512 bytes each), IRQ: 1 of 12
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:	
Ambient temperature	0...50°C
Relative humidity	Max. 90 %, non-condensing
Supply voltage	5 VDC
Connectors	CAN: 9-pin DSUB (male)

Order Information:

Hardware	Order No.
CAN-ISA/331-1 1x CAN ISO 11898	C.2010.02
CAN-ISA/331-2 2x CAN ISO 11898	C.2010.04

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

Software Support

Additional CAN layer 2 object licences including CD-ROM ¹ :	
CAN-DRV-LCD QNX	C.1101.32
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 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.