

CPCI-CAN/331

1 or 2 Channels CPCI-CAN Interface (Layer 2, CANopen® or J1939)



Intelligent CompactPCI® CAN Interface

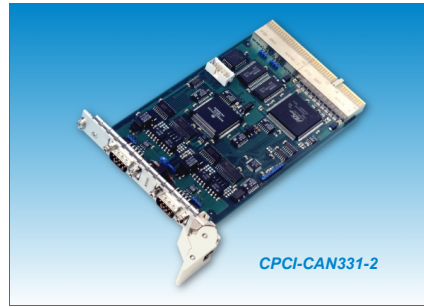
- Microcontroller 68331 on board
- Insulated interfaces
- High electromagnetic immunity and compliance

Comprehensive Software Support

- Proven in many applications
- Software drivers for Windows®, Linux®, RTX/RTX64, VxWorks®, QNX®, RTOS-UH® and others
- CANopen® and J1939 protocol libraries are available

Hardware and Software Options

- Rear-Panel CAN option (J2 Connector)
- 6U / 4HP option
- Preset options CAN 2.0A or 2.0B



CAN Interface

The ISO 11898 compliant CAN interface allows a data transfer rate of 1 Mbit/s. The CAN interface is electrically isolated from the other potentials by optocouplers and DC/DC converters.

Software Support

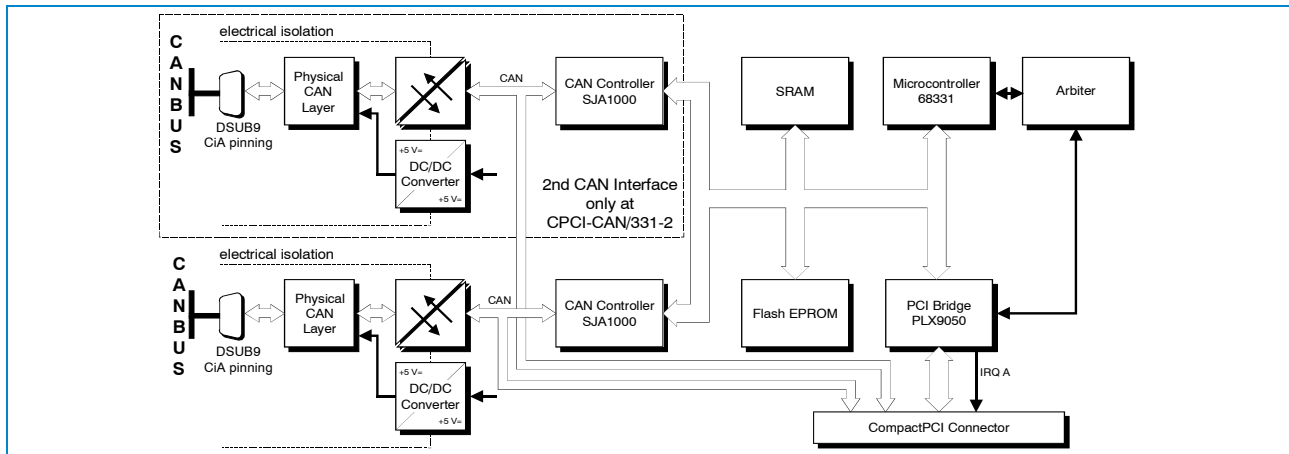
CAN layer 2 (NTCAN-API) software drivers are available for Windows, Linux, RTX/RTX64, VxWorks and QNX. Other drivers are available on request.

CAN Interfaces for CompactPCI Systems

The module CPCI-CAN/331 is a CompactPCI board in euro format. 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 up to 1 Mbit/s.

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

Additional free-of-charge esd CAN tools for Windows are downloadable from our website. The tools offer efficient setup and analysis of CAN applications and networks.



Technical Specifications:

CompactPCI Interface and Microcontroller:	
PCI bridge	PCI9050
Microcontroller	68331
Memory equipped	128k x 16 bit SRAM, 128 k x 8 bit Flash EPROM
CAN:	
CAN controller	SJA1000, ISO11898-1 (CAN 2.0A/B)
CAN interface	differential, electrically isolated, 1 Mbit/s, ISO11898-2
General:	
Ambient temperature	0 °... +50 °C
Relative humidity	Max. 90 % (non-condensing)
Dimensions	3 U, 4 HP CompactPCI (6 U front panel available as an option)
Supply voltage	5 VDC / I _{5VMAX} = 250 mA (1x CAN) 5 VDC / I _{5VMAX} = 350 mA (2x CAN)
Connectors	CAN: 9-pole DSUB (male)
Conformity	CE, EN 61000-6-2 (EMI), EN 61000-6-3 (EMC), RoHS

Order Information:		
Hardware		Order No.
CPCI-CAN/331-1	1x CAN, ISO11898	C.2027.02
CPCI-CAN331-2	2x CAN, ISO11898	C.2027.04
CPCI-CAN331-2B	2x CAN, preset to CAN 2.0B	C.2027.05
CPCI-CAN-FP-6U/4HP-1	1x CAN front panel	C.2027.30
CPCI-CAN-FP-6U/4HP-2	2x CAN front panel	C.2027.31
CAN layer 2 drivers for Windows and Linux are included in delivery.		

Software Support		
Real-time OS 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 licences including CD-ROM ¹ :		
J1939 Stack for Windows		C.1130.10
J1939 Stack for Linux		C.1130.11
J1939 Stack for RTX		C.1130.12

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