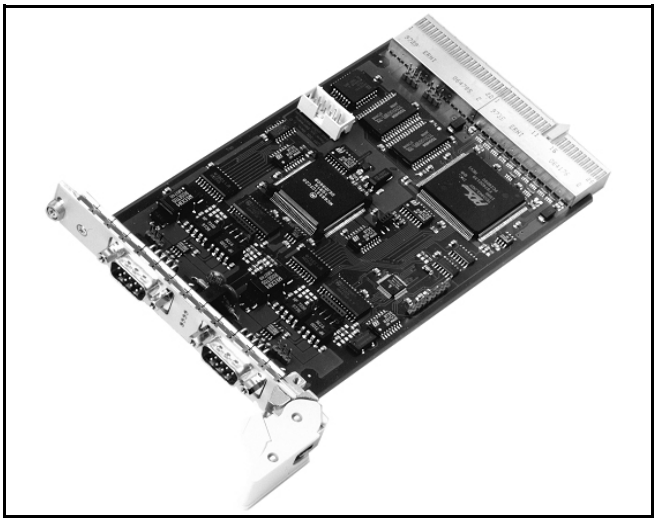
CPCI-CAN/331
Intelligent CompactPCI-CAN-Interface

esd gmbh

- interface from CompactPCI to one or two independent CAN nets
- 3 HE board with microcontroller 68331 on board
- fast PCI access with 32 bit
- extended temperature option

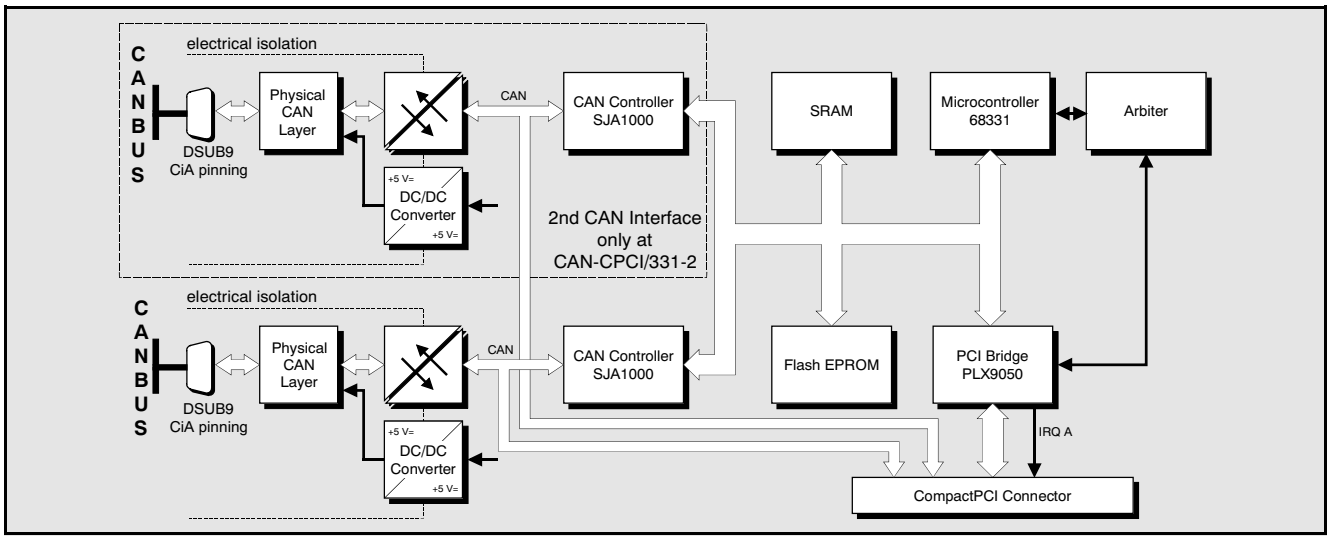


Powerful CAN Interfaces for CompactPCI Systems
The module CPCI-CAN/331 is a CompactPCI board in euro format. It uses a 68331 microcontroller which cares for the local CAN data management. The CAN data is stored in the local SRAM. Security and consistency of data is guaranteed up to 1 Mbit/s.

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
Software drivers are available for Windows NT/2000/XP and Windows 95/98/ME. The Windows-95/98/ME driver is realized as VxD.
Drivers for other operating systems (e.g. VxWorks, QNX4, Linux, Solaris) are available as well.
The firmware can be loaded from the PC into the Flash EPROM.

CAN Protocols
Software packages for CANopen or DeviceNet are available for Windows, UNIX systems and real-time operating systems (VxWorks, LynxOS, ...).



Technical Data:

CompactPCI interface and microcontroller:	
PCI bridge:	PCI9050
Microcontroller:	68331
Memory equipped:	128 k x 16 bit SRAM, 128 k x 8 bit Flash EPROM
CAN:	
CAN controller:	SJA1000, CAN 2.0A/B
CAN interface:	differential, electrically isolated, 1 Mbit/s, ISO11898, opt. DeviceNet
General:	
Ambient temperature:	0...50 °C
Humidity:	max. 90 %, non-condensing
Supply voltage:	5 VDC
Connector:	CAN: 9-pole DSUB (male) DeviceNet: 5-pole connector

Order information:		
Designation		order no.:
CPCI-CAN/331-1B	1x CAN, ISO11898	C.2027.02
CPCI-CAN/331-2B	2x CAN, ISO11898	C.2027.04
CPCI-CAN/331-1D	1x DeviceNet	C.2019.02
CPCI-CAN/331-2D	2x DeviceNet	C.2019.04
Options:		
CAN-DRV-LCD	Object licence for Windows and Linux incl. CD-ROM	C.1101.02
CPCI-CAN/331-VxW	VxWorks object licence	C.2027.55
CPCI-CAN/331-LynxOS	LynxOS object licence	C.2027.57
CPCI-CAN/331-QNX	QNX object licence	C.2027.56
CPCI-CAN/331-FP6	6HE front panel	C.2027.30
CPCI-CAN/331-Co	CANopen m/s object licence	C.2027.12
CPCI-CAN/331-ME	Hardware manual	C.2027.21
CAN-API-ME	Software manual CAN-API	C.2001.21
CAL/CANopen-ME	CANopen manuals	C.2002.21

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