

# DN-PCI/331

## Intelligent PCI-DeviceNet™ Interface

### 2x DeviceNet Interface at one PCI Board

- DeviceNet interface acc. to DeviceNet specification 2.0
- On board microcontroller for local data management

### Local Master/Scanner Firmware

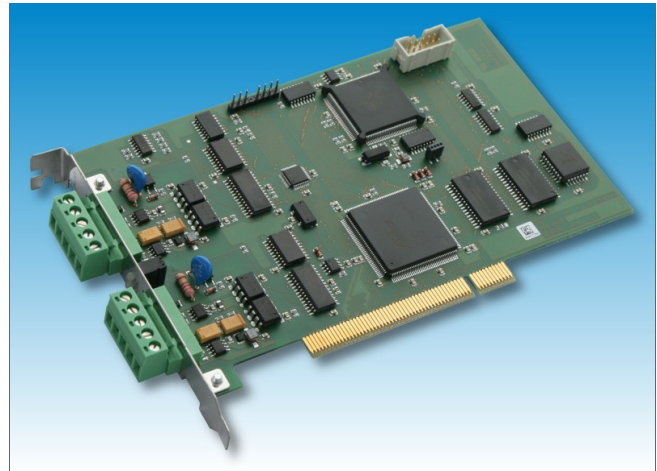
- Local master/scanner firmware relieves the user dealing with the low-level DeviceNet protocol
- Common API approved at various operating systems

### Dynamical Firmware Updates possible by Download

### Powerful DeviceNet Interfaces for PCs

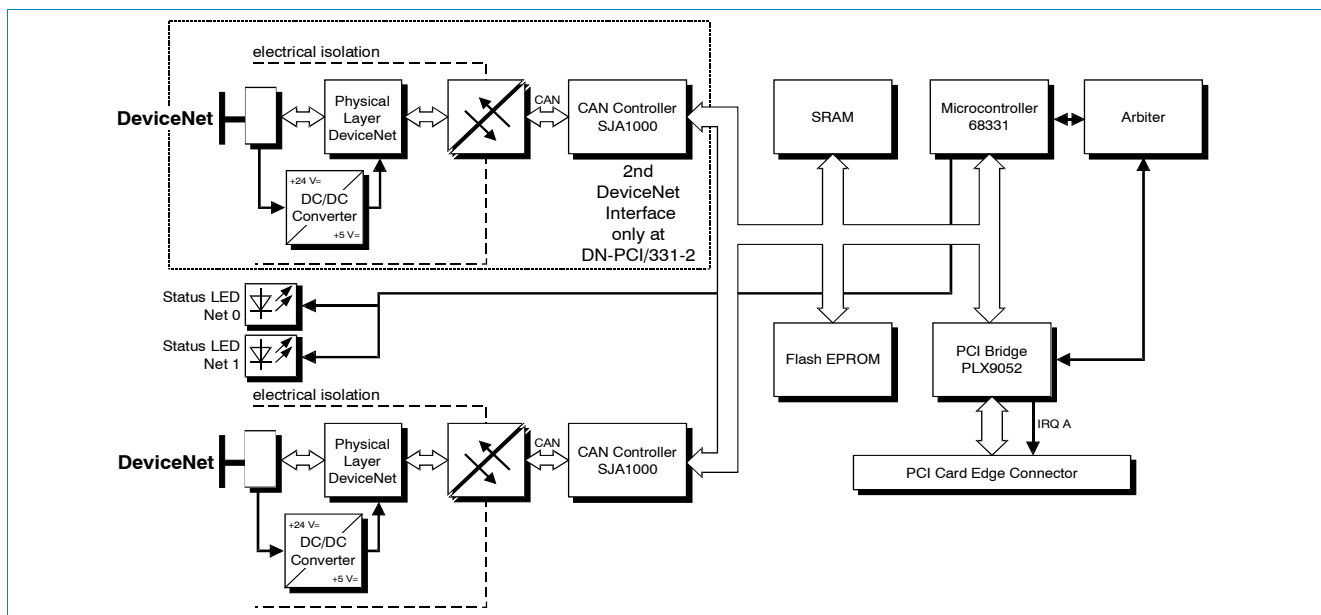
The module DN-PCI/331 is a PC board designed for the PCI bus. It uses a 68331 microcontroller, which cares for the local DeviceNet data management. Data is stored in the local SRAM.

The DeviceNet interface of the board meets the requirements of the DeviceNet specification 2.0. The interface is electrically isolated from the other potentials by means of optocouplers.



### Software Support

The firmware for the master/scanner is stored locally in the Flash EPROM and can be dynamically updated by download. Drivers are available for Windows 32/64 bit systems. A VxWorks driver is available on request.



### Technical Specifications:

PCI Interface and Microcontroller:	
PCI bridge	PLX PCI9052
Microcontroller	68331
Memory equipped	512 k x 16 bit SRAM, 256 k x 8 bit Flash EPROM
DeviceNet:	
DeviceNet Standard	Interface acc. to DeviceNet specification 2.0
Bit rate	125 kbit/s, 250 kbit/s and 500 kbit/s
LEDs	Module/network status LED for each channel
CAN controller	SJA1000, according to ISO 11898-1
Physical layer	Differential, electrically isolated

General:	
Ambient temperature	0 °C ... +50 °C
Relative humidity	Max. 90 % (non-condensing)
Supply voltage	5 VDC via PCI bus, 24 VDC for bus driver section via DN physical layer
DeviceNet connector	5-pole combicon-style connector

Order Information:		
Hardware		Order No.
DN-PCI/331-1	PCI board with one DeviceNet channel on board	C.2017.06
DN-PCI/331-2	PCI board with two DeviceNet channels on board	C.2017.07

Software Support	
DN-PCI/331-Windows driver	C.2017.10