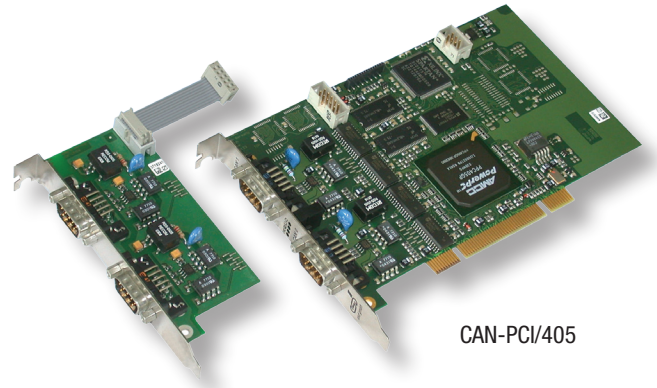




# CAN-PCI/405

## High Performance PCI-CAN-Interfaces

- 2 or 4 CAN interfaces
- PowerPC AMCC 405



CAN-PCI/405

### PCI-PowerPC board

The CAN-PCI/405 is a PC board designed for the PCI bus with an AMCC PowerPC 405 operating at 200 Mhz. The board is equipped with 32 Mbyte SDRAM, 2 Mbyte Flash, and it uses PCI bus mastering to achieve high throughput and to relieve the main CPU.

### CAN Interfaces

The CAN-PCI/405 provides two fully compliant ISO 11898 CAN interfaces based on SJA1000 CAN controllers. As an option, the CAN-PCI/405 is available with two additional CAN interfaces accessible through an adapter board. The CAN interfaces allow a data transfer rate of 1 Mbit/s, and they are electrically isolated. The CAN-PCI/405 provides high-resolution hardware timestamps.

### Software Support

Software drivers are available for Windows, Linux, SGI IRIX 6.5 and other operating systems upon request. Higher Layer protocols are available for CANopen and DeviceNet.

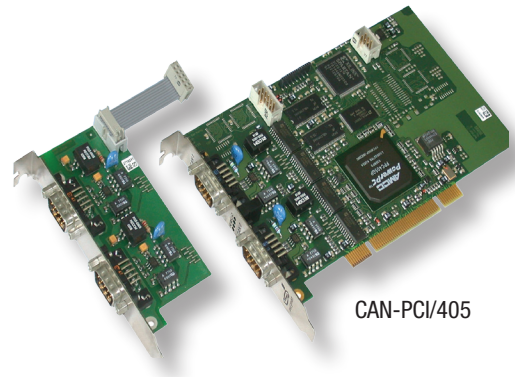
For further information please visit  
<http://www.esd-electronics-usa.com/CAN-PCI-Interfaces-opto-isolated-CANopen-CAN-2.0B-Compliant.html>

growing with the  
**challenge**

# CAN-PCI/405

## High Performance PCI-CAN-Interfaces

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CAN-PCI/405

### Technical Specifications

Microcontroller circuit:	
Microcontroller	AMCC PPC405, 200 MHz, 32 bit
Memory equipped	32 MB SDRAM, 2 MB Flash EPROM
CAN Interfaces:	
Number	2 (option 4)
CAN controller	SJA1000 (2, optional: 4), CAN 2.0A/B
Physical layer	Differential, electrically isolated, bit rate up to 1 Mbit/s, ISO11898, DSUB9 connector, optional DeviceNet
Hardware timestamps	1 $\mu$ s resolution
PCI:	
Specification	PCI 2.2, Bus Master capable
Clock rate	33/66 MHz
Bus width	32 bit
General:	
Ambient temperature	0...50° C
Humidity	Max. 90%, non-condensing
Connectors	CAN: 9-pole DSUB (male)
DeviceNet-option	5-pole Combicon style
Power supply	3.3 V / 650 mA and 5 V / 250 mA

For further information please visit  
<http://www.esd-electronics-usa.com/CAN-PCI-Interfaces-opto-isolated-CANopen-CAN-2.0B-Compliant.html>

### Order Information

Designation		Order no.
CAN-PCI/405-2	IBM PPC405, 200 MHz, 32 MB SDRAM, 2 MB Flash, 2x CAN	C.2023.05
CAN-PCI/405-4	as C.2023.05, but 4 CAN interfaces (adapter inclusive)	C.2023.07
Options:		
CAN-DRV-LCD	Layer-2 driver software, object license for Linux and Windows incl. CD-ROM	C.1101.02
CANopen-LIC	CANopen, object license for Linux and Windows	C.1101.05
CAN-PCI/405-IRIX	IRIX 6.5 driver object license	C.2023.27
CAN-PCI/405-ME	Hardware manual	C.2023.21
CAN-API-ME CAN	API software manual	C.2001.21

