

CAN-PCI/405-B4

4 Channel PCI-CAN Interface (Layer 2, CANopen® or J1939)

4 CAN Interfaces via one DSUB37 Plug in the Slot Bracket

- High-speed CAN interfaces according to ISO11898-2, electrically isolated
- Only one PCI slot required
- PCI interface according to PCI Local Bus Specification 2.2
- Bus master capable
- Software drivers for Windows® and Linux® included free of charge

Real-time OS Support and Higher Layer Protocols CANopen and J1939

- Software drivers for QNX®, RTX and On Time RTOS-32
- CANopen and J1939 protocol libraries are available
- Full compatibility with applications written for esd's NTCAN-API

High Resolution Hardware Timestamps for CAN

PCI-PowerPC Board

The CAN-PCI/405 uses PCI bus mastering to achieve high throughput and to relieve the main CPU.

CAN Interfaces

The CAN-PCI/405-B4 provides four ISO 11898-compliant CAN interfaces based on SJA1000 CAN controllers.

The CAN interfaces allow a data transfer rate of 1 Mbit/s.

The interfaces are electrically isolated. The CAN-PCI/405-B4 provides high resolution hardware timestamps.

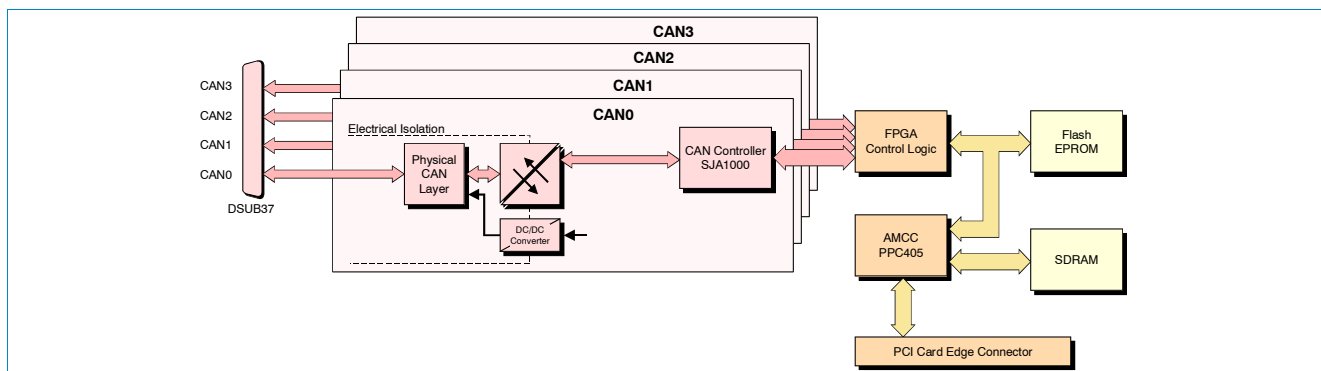


Software Support

Software drivers are available for Windows, Linux, QNX, RTX and On Time RTOS-32.

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:

Microcontroller Circuit:	
Microcontroller	AMCC PPC405, 200 MHz, 32 bit
Memory equipped	32 MB SDRAM, 2 MB Flash EPROM
CAN Interfaces:	
Number	4
CAN controller	4x SJA1000, ISO11898-1
Physical layer	High speed CAN according to ISO11898-2, differential, electrically isolated, bit rate up to 1 Mbit/s, DSUB37 connector
Hardware timestamps	1µs resolution
PCI:	
Specification	PCI 2.2, Bus Master capable
PCI Bus Voltage	'Universal Board', 3.3 V (5V tolerant)
Clock rate	33/66 MHz
Bus width	32 bit
General:	
Ambient temperature	0 °C ... +50 °C
Relative humidity	Max. 90 % (non-condensing)
Connectors	CAN: 37-pole DSUB (male)
Power supply	3.3 V / 650 mA and 5 V / 250 mA

Order Information:		
Hardware		Order No.
CAN-PCI/405-B4	AMCC PPC405, 200 MHz, 32 MB SDRAM, 2 MB Flash, 4x CAN, DSUB37 (male) / 1-Slot	C.2041.04
CAN layer 2 drivers for Windows and Linux are included in delivery.		
Accessories		
CAN-PCI/405-B4-1C4	Cable DSUB37 (female) to 4x DSUB9 (male)	C.2041.18
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 OnTime-RTOS-32	C.1101.45
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
J1939 Stack object licences including CD-ROM ¹ :		
	J1939 Stack for Windows (Object)	C.1130.10
	J1939 Stack for Linux (Object)	C.1130.11
	J1939 Stack for RTX (Object)	C.1130.12

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