

CAN-PCI104/200

PCI-104-CAN Interfaces

- one or two independent CAN nets for PCI-104 bus

CAN Interface for PCI-104

The CAN-PCI104/200 is designed for the PCI-104 bus.

CAN Interface

Each CAN interface is controlled by a ISO11898-1 controller SJA1000. The ISO11898-2 compliant CAN interfaces allow data transfer rates up to 1 Mbit/s. Among many other features, the bit rate can be set by software. The CAN interfaces are electrically isolated from the other potentials. The CAN signals are routed to 10-pole plug connectors.

Software Support

Drivers are available for Windows and Linux OS. Realtime OS like QNX are also supported. The driver package comes with a software development kit (SDK) that includes powerful CAN tools to guarantee an easy start and quick success. Higher level protocols are available for CANopen.

Customized requests are appreciated. Please contact us!

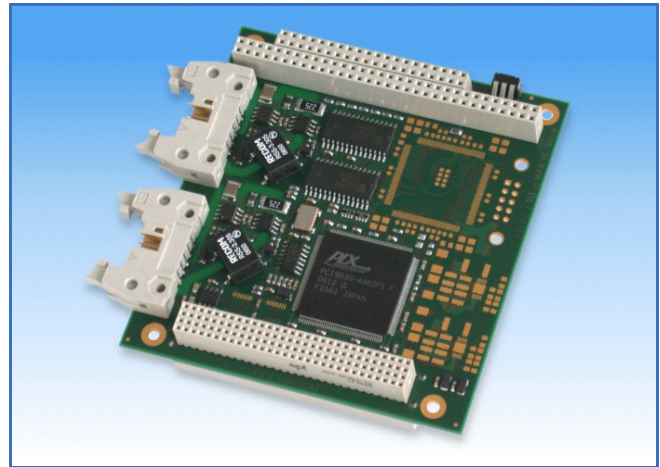
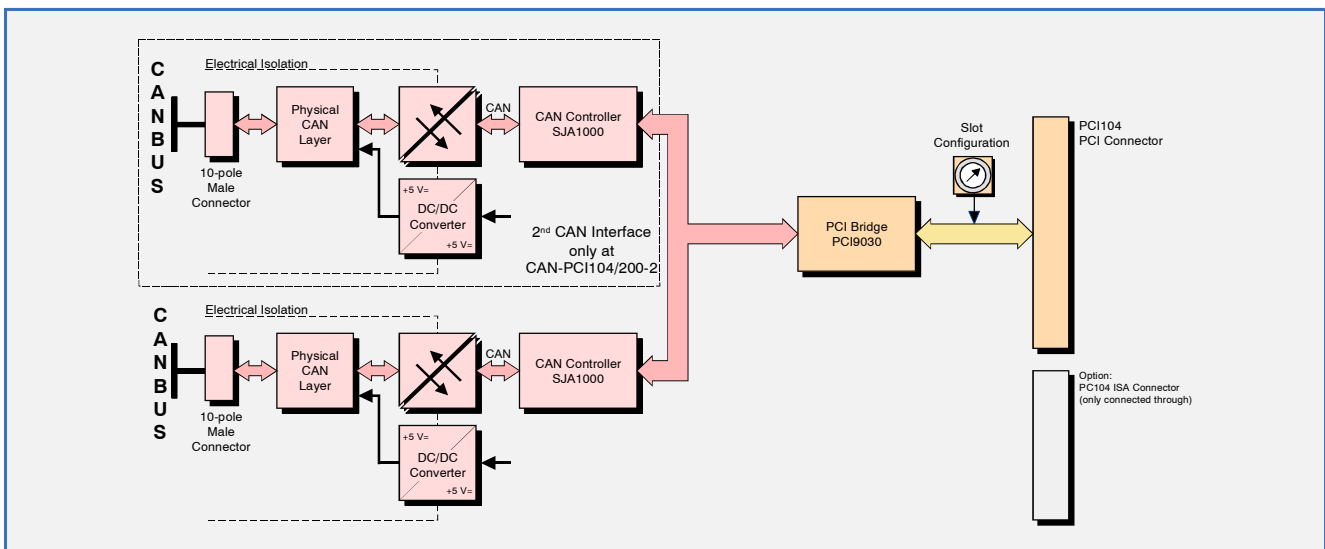


Figure: CAN-PCI104/200-2 with optional ISA connector

ISA Interface (PC/104-Plus compatible)

To provide ISA bus for PC/104 boards a PC/104-compatible ISA connector can be equipped on request.



Technical Specifications:

PCI interface:	
PCI bridge:	PLX PCI9030
Specification:	PCI 2.2
Bus speed:	33 Mhz at 3.3 or 5.0 V signal voltage
CAN:	
Interfaces:	one or two
CAN controller:	SJA1000, ISO11898-1 (CAN2.0)
Physical layer	differential, electrically isolated, ISO11898-2 (1 Mbit/s)
General:	
Temperature:	0...50 °C
Humidity:	max. 90 %, non-condensing

General (continued):		
Supply voltage:	3.3 VDC <u>and</u> 5 VDC	
Dimensions:	acc. to PC/104-Plus standard	
Connectors:	CAN: 10-pole plug connector, PCI-104 PCI connector, option: PC/104 ISA connector	
Order information:		
Designation		order no.
CAN-PCI104/200-1	1x CAN 2.0A/B, ISO11898	C.2046.02
CAN-PCI104/200-2	2x CAN 2.0A/B, ISO11898	C.2046.04
CAN-DRV-LCD	Object licence for Windows and Linux incl. CD-ROM	C.1101.02
CAN-PCI104/200-QNX	QNX object licence	C.2046.32
CAN-PCI104/200-VxWorks	VxWorks object licence	C.2046.55
Options:	PC/104 ISA connector	on request