



PCI-104 CAN Interface CPC-104P

Special Features

- Passive PCI-104 based CAN interface
- Compact size for PCI-104 or PC-104plus slots
- One, two or four CAN channels with controller NXP SJA1000
- Optional galvanic separation of CAN controller to PC
- Optional galvanic separation between CAN channels
- Extended temperature range
- Driver for Windows 2000/XP/Vista and Linux available

Description

CPC-104P is a PCI-104 plug-in card for the CAN bus. Designed for industrial series applications CPC-104P has a robust and cost efficient layout. CPC-104P supports up to four CAN controller of type NXP SJA1000.

CPC-104P maps the CAN controller into the PC address space and thus allows access to CAN messages with low latency. Existing software for the supported CAN controller can easily be adapted. With CPC-104P the CAN communication may be handled either in interrupt controlled or in polled mode.

CPC-104P can optionally be delivered with galvanic decoupling of the CAN bus. The dual and quad channel versions have the additional option of galvanic decoupling between CAN channels.

Technical Data

Bus Interface

Pin assignment	Connector D-Sub 9, complying to CiA DS-102
Type of the physical interface	ISO 11898 / Transceiver PCA82C251
Maximum voltage on bus pins	±30V referring to bus ground
Isolation voltage of galvanic separation between CAN and Host	±1000V DC

Configuration

A rotary switch is used to configure the module for the PCI-104 slot it is used.

Ressource	Parameter
Base address	Automatic assignment (Plug & Play)
Interrupt	Automatic assignment (Plug & Play)

Scope of Delivery

- CAN Interface CPC-104P
- User Manual
- proCANTool CAN Monitor for operating system Windows 2000/XP