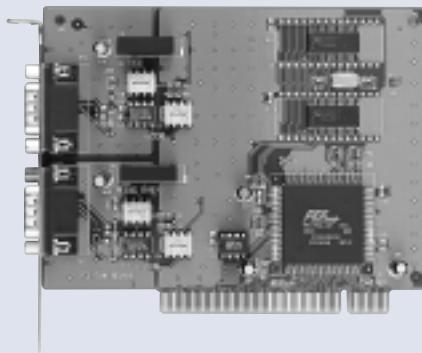


PCI-7841/cPCI-7841/PM-7841

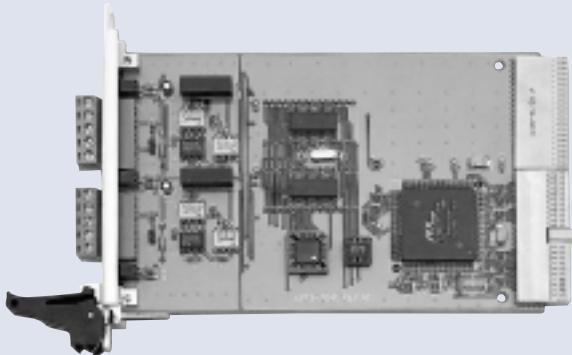
Dual-port Isolated CAN Interface Cards

Features

- Two independent CAN network operation
- Up to 1Mbps programmable transfer rate
- 16MHz CAN controller frequency
- 2500 Vrms isolation protection
- Direct memory mapping to the CAN controllers
- Powerful master interface for CAN bus protocols
- PCI bus plug and play
- DOS libraries and Windows DLLs (95, 98, NT, 2000)



PCI-7841



cPCI-7841R



PM-7841

Introduction

The PCI/cPCI/PM-7841 is a Controller Area Network (CAN) interface card. It supports a dual-port CAN's interface that can run independently or bridged at the same time. The built-in CAN controller of this card is Philips SJA1000, which provides bus arbitration and error detection with auto correction and re-transmission function.

Controller Area Network

The CAN (Controller Area Network), a serial bus system originally developed by Bosch for use in automobiles, is increasingly being used for industry automation. Its multi-master protocol, real-time capability, error correction and high noise immunity makes it especially suited for intelligent I/O devices control network.

Specifications

- Ports: 2 CAN channels (V2.0 A, B)
- CAN controller: SJA1000
- CAN transceiver: 82C250/251
- Isolation voltage: 2500 Vrms
- Connectors:
 - Dual DB-9 male connectors for PCI-7841
 - 5 pin screw terminal for cPCI-7841/PM-7841
- Operating temperature: 0° ~ 60°C
- Storage temperature: -20° ~ 80°C
- Humidity: 5 ~ 95%, non-condensing
- Power consumption: +5V @ 400mA typical, @ 900mA max.
- Dimensions:
 - Compact size, 98(H) mm x 132(L) mm

Software Supporting

A software library for Microsoft MSC and

Borland C is included. This library contains communication function such as CAN Initialization and Reset, CAN Read and Write, CAN Control and Configuration, which handle the data transfer from and to the controller's registers and buffers.

Ordering Information

PCI-7841

Dual-port isolated CAN interface card

cPCI-7841

Dual-port isolated CAN interface card with 3U CompactPCI form factor

cPCI-7841R

Dual-port isolated CAN interface card with 3U CompactPCI form factor with real I/O Support

PM-7841

Dual-port Isolated CAN Interface card with PC-104 form factor.