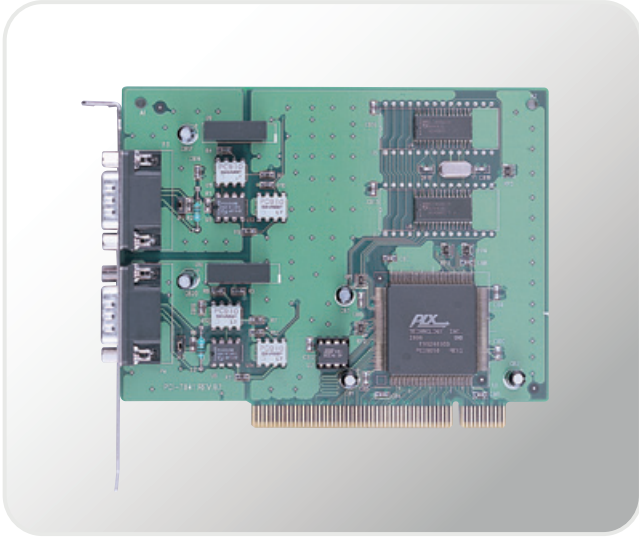


PCI-7841

Dual-port Isolated CAN Interface Card



Features

- Two independent CAN network operation
- Up to 1Mbps programmable transfer rate
- 16MHz CAN controller frequency
- 2500Vrms isolation protection
- Direct memory mapping to the CAN controllers
- Powerful master interface for CAN bus protocols
- PCI bus plug and play
- Supports Windows NT/2000/XP and Linux operation systems

Ordering Information

PCI-7841 Dual-port isolated CAN interface card

Introduction

The PCI-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	2500Vrms
Connectors	Dual DB9 male connectors for PCI-7841 5 pin screw terminal for cPCI-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 Support

- Dos driver
- Windows NT/2000/XP driver
- Linux driver

1
GEME

2
Motion
Control

3
Machine
Vision

4
High
Speed Link

5
Communications

6
Industrial
Computers

7
CompactPCI
Products

8
NuDAM

9
Software