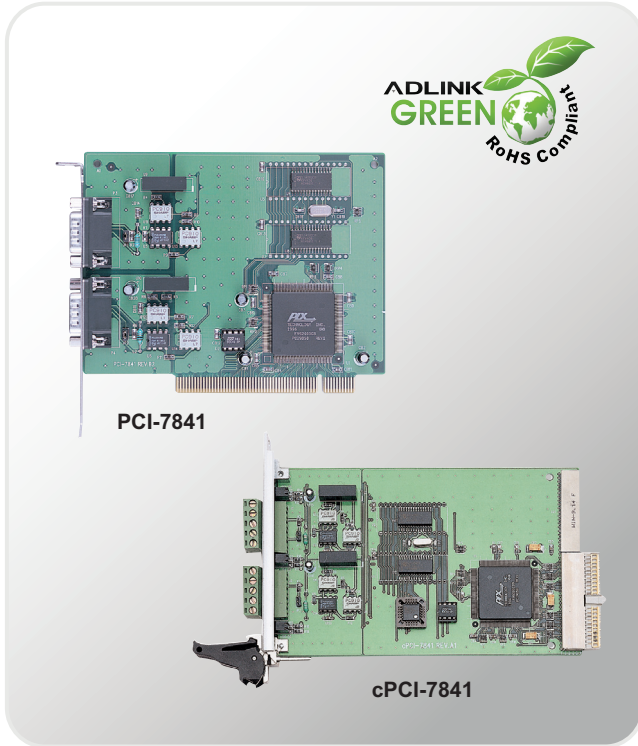


PCI-7841/cPCI-7841

Dual-port Isolated CAN Interface Cards ❖



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® 2000/XP and Linux operation systems
- Only support CompactPCI interface 5V V(I/O)

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

Introduction

The PCI-7841/cPCI-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 to 60°C
Storage Temperature	-20 to 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

PCI-7841

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

cPCI-7841

- Windows 2000/XP
- Dos driver
- Linux driver

1
Software

2
GEME
Series

3
DPAC

4
Motion
Control

5
Vision

6
HSL

7
Industrial
Communication

8
CompactPCI
system &
Industrial
Computers

9
NuDAM