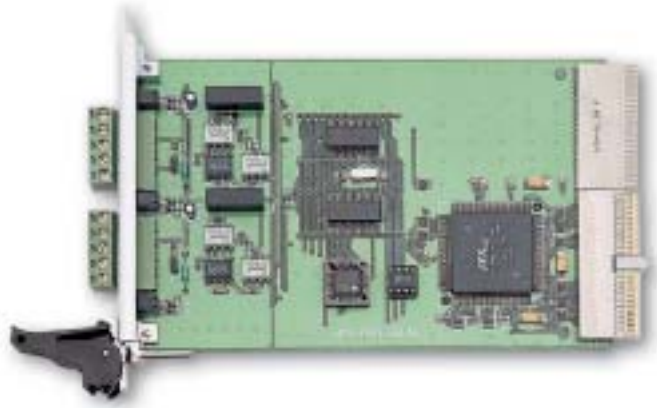


cPCI-7841 Series

Dual-port Isolated CAN Interface Modules

Features

- 3U Eurocard form factor, CompactPCI compliant (PICMG 2.0 R2.1)
- Two independent CAN network operation
- Up to 1 Mbps programmable transfer rate
- 16 MHz CAN controller frequency
- 2500 VRMS optical isolation
- Direct memory mapping to the CAN controllers
- Powerful master interface for CAN bus protocols
- DOS libraries and Windows DLLs (95/98/NT/2000)
- Rear I/O available on cPCI-7841R
- **Driver Support**
 - Drivers for Windows 2000/NT/XP/9x
 - DOS drivers



Introduction

ADLINK cPCI-7841 is a Controller Area Network (CAN) interface module for PXI/CompactPCI form factor. 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. 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

General Specifications

- I/O connector : 5-pin screw terminal (cPCI-7841)
- Operating temperature: 0 to 60 °C
- Storage temperature: -20 to 80 °C
- Relative humidity: 5 to 95%, noncondensing
- Power requirements

Device	+5V
cPCI-7841	400 mA typical
cPCI-7841R	400 mA typical

- Dimensions (not including connectors)
160 mm x 100 mm

Pin Assignment

N/C	1
CAN-L	2
Shield	3
CAN-H	4
N/C	5

Ordering Information

- **cPCI-7841**
Dual-Port Isolated CAN Interface Module
- **cPCI-7841R**
Dual-Port Isolated CAN Interface Module with Rear I/O

Note: Rear I/O version can not be used in PXI chassis due to signals conflict with PXI bus

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