PCI-7841 / cPCI-7841

Dual-port Isolated CAN Interface Cards
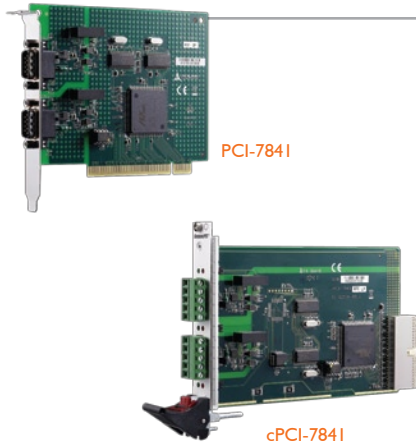
PCI-7841

cPCI-7841

Introduction

The PCI-7841/cPCI-7841 is a Controller Area Network (CAN) interface card. It supports a dual-port CAN interface that can run independently or bridged together. The built-in CAN controller is a Philips SJA1000, which provides bus arbitration and error detection with auto correction and re-transmission functionality.

Controller Area Network

The CAN (Controller Area Network), a serial bus system originally developed by Bosch for use in automobiles, is increasingly 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.

Features

- **Two independent CAN network operation**
- **Up to 1 Mbps programmable transfer rate**
- **16 MHz CAN controller frequency**
- **2500 V$_{RMS}$ 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 supports CompactPCI interface 5V (I/O)**

Software Support

■ PCI-7841
  - Dos driver
  - Windows® NT/2000/XP/7
  - Linux driver

■ cPCI-7841
  - Dos driver
  - Windows® NT/2000/XP/7
  - Linux driver

Specifications

■ Ports 2		CAN channels (V2.0 A, B)
■ CAN Controller		SJA1000
■ CAN Transceiver		82C250/251
■ Isolation Voltage		2500 V$_{RMS}$
■ Connectors		Dual DB9 male connectors for PCI-7841
		5-pin screw terminal for cPCI-7841
■ Operating Temperature		0 to +60˚C
■ Storage Temperature		-20˚C to +80˚C
■ Humidity		5 to 95%, non-condensing
■ Power Consumption		+5 V @ 400 mA typical, @ 900 mA max.
■ Dimensions		PCI-7841: 132 mm x 107 mm (H x L)
		cPCI-7841: 100 mm x 160 mm (H x L)

Ordering Information

■ **PCI-7841**
  Dual-port isolated CAN interface card

■ **cPCI-7841**
  Dual-port isolated CAN interface card in 3U CompactPCI form factor

■ **cPCI-7841R**
  Dual-port isolated CAN interface card in 3U CompactPCI form factor with rear I/O support

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Interface Modules *category:*

Click to view products by ADLINK Technology *manufacturer:*

Other Similar products are found below :

8500-003 IFD8520 cPCI-3544 422CON ATX6022/14GP7 ATX6022/8 AX93221-24/48 FC6A-EXM2 OPT8AP-AE 96RMKVM-19V1C-A 60016-011 60016-014 60006-008 60011-075 HPCI-14S12U cBP-3208 cBP-3062A FAB205-6P5 ATX6022/6 60016-012 96RMKVM-17V1C-A PCE-DP10-00A1E MOS-1120Y-0201E 96RMLCD-17V1-A 96RMKVM-17V8C-A 60004-005 60016-017 60006-009 60016-035 60016-034 60016-031 60016-030 60016-026 60016-024 60016-018 60016-007 60016-005 60007-002 60006-010 AXX10GBTWLHW3 382-BBEH 555-BDCL K6CMISZBI52 426451401-3 60011-093 MIC-3620/3-BE MPCIE-UART-KIT02-R20 RSM232 PCIE-1680-AE BB-FOSTCDRI