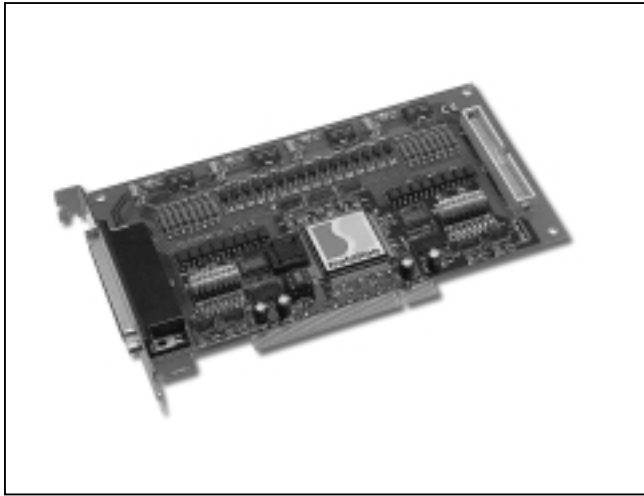




# PCI-P16C16

**16 Channel Isolated Digital Input, 16 Channel Open-Collector Output Board**



PCI-Bus

## Functional Description

The PCI-P16C16 provides 16 optically isolated inputs and 16 open-collector outputs. The PCI-P16C16 has one 37-pin D-Sub connector and one 40-pin header. It can be installed in a 5V PCI slot and can support truly "Plug & Play".

## Features

- Open-collector output channel
- Optical isolated digital input channel
- AC/DC signal input; AC signal input with filter
- 5V PCI board

## Specifications

### Input

- Input Channels: 16
- Photo-coupler: PC-814
- Input Voltage: AC/DC, 3.5V - 30V
- Input Impedance: 1.2K / 1 W
- Withstanding Voltage: 1 KV
- Response time: 20 $\mu$ S ( without filter )  
2.2 mS ( with filter )

### Output

- The maximum loading current of each high current output channel: 400mA
  - External Power: 30V Max.
- Power consumption: +5V / 320mA

## Environmental

- Operating Temperature: 0 to 60° C
- Storage Temperature : -20° C to 80° C
- Humidity: 0 to 90 % non-condensing
- Dimension: 180mm x 105mm

## Applications

- Factory automation
- Laboratory automation
- Communication switching
- Industrial automation

## Software

- PCI-P16C16 Development Toolkit for DOS
- PCI-P16C16 Development Toolkit for Win95
- PCI-P16C16 Development Toolkit for WinNT

## Order Description

- PCI-P16C16 16 channel isolated digital input,16 Channel open-collector output

## Options

- DB-37: Directly connect signal to PCI-P16C16
- DN-37: I/O connector block with DIN-rail mounting and 37-pin D-Sub connector
- PCI-P16C16 LabVIEW Development Toolkit for Win95
- PCI-P16C16 LabVIEW Development Toolkit for WinNT

## Pin Assignment

