

P16R16DIO

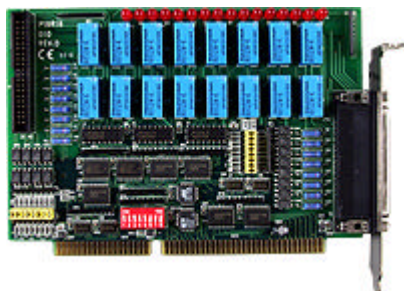
Isolated 16 Digital Input & 16 Relay Output Board



[PIN Assignment](#)

[Software](#)

[Manual](#)



Functional Description

The P16R16 DIO is a 16 isolated digital input and 16 relay output interface board designed for control and sensing applications. This interface board is easily installed in any PC/AT/XT. The P8R8 DIO Provides 16 electromechanical relay outputs and 16 optically isolated inputs. The P16R16 DIO has two 37-pin D-Sub Connector and the function is equal to two P8R8DIO.

Features

- Relay output Channel
- optically isolated digital input channels
- AC/DC signal Input ; AC signal input with filter
- Connector pin assignment is compatible to 725 series
- Power Requirements : +5V 200mA(max.) ; +12V 260 mA (max.)

Applications

- Factory Automation
- Product Test
- Laboratory Automation
- Security Control

Software

- Toolkit for DOS
- Toolkit for Windows 95/98
- Toolkit for Windows NT
- Toolkit for Windows 2000/XP
- Toolkit for LabVIEW 95/98
- Toolkit for LabVIEW NT
- Toolkit for LabVIEW 2000/XP
- ActiveX Control (OCX) 95/98
- ActiveX Control (OCX) NT
- ActiveX Control (OCX) 2000/XP
- Driver for LINUX
- Driver for DasyLab

Option

- DB-37 : Direct Connect Screw Terminal Board For Analog I/O
- DN-37 : Screw Terminal Board For Analog I/O
- CA-4002: 37-pin Male D -sub connector with Plastic cover

Specifications

Relays

Relay output Channels	16
Contact Rating	0.3 A :120V AC/DC / 1A : 30Vdc
Contact arrangement	Output channel 0-3 are Form C
Output channel 4-7 are Form A	
Operating time	5 m Sec
Release time	10m Sec
Expected life > 100,000 times (Electrical at 30V/1A)	

Inputs

Channels	16
Type	Non-polarized OPTO-isolated , (PC-814)
Input Voltage	AC/DC 5-24V (Vac Freq:50~1Khz)
Input Impedance	1.2 KW
Response Time	20mS (Without filter)22mS (With filter)
Isolation	500V channel-channel & channel-ground

General Environmental

Operating temp	0-50 deg / C
Storage temp	-20 to 70 deg / C
Humidity	0 to 90% non-condensing
Dimensions	175 cm x 121 cm

Ordering Information

P16R16DIO	16-channel Isolated D/I and Relay Output
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