I/O CARD QUICK START GUIDE

for

PISO-P8R8/P8SSR8AC/ P8SSR8DC

Language	English
Version	V1.1
Update	Jan.2009

1 What's on your package?

- ➢ One PISO-P8R8/P8SSR8AC/P8SSR8DC series card
- ➢ One companion PCI CD (V3.5 or later)
- ➢ One Quick Start Guide(This document)

2 Installing Windows Driver

Follow those steps:

1. Setup the Windows driver.
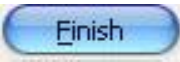
   You can get the driver from:

   CD:\NAPDOS\PCI\PISO-DIO\DLL_OCX\Driver\

   http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/piso-dio/dll_ocx/driver/
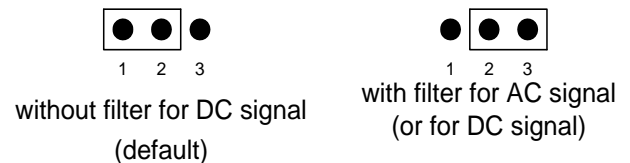
2. Click [Next >] button to start installation.

3. Click [Next >] button to install driver into the default folder.

4. Click [Install] button to continue installation.

5. Select **"NO, I will restart my computer later"** and then click [Finish] button.

3 Jumper Setting

➢ JP1-JP8 Filter Selector

Jumper	Channel
JP1	DIA0−DIB0
JP2	DIA1−DIB1
JP3	DIA2−DIB2
JP4	DIA3−DIB3
JP5	DIA4−DIB4
JP6	DIA5−DIB5
JP7	DIA6−DIB6
JP8	DIA7−DIB7

● ● ● ●
1 2 3
without filter for DC signal
(default)

● ● ● ●
1 2 3
with filter for AC signal
(or for DC signal)

➢ JP9 Reserved

JP9

```
    2   4   6   8
   ┌─┐
   │◯│ ◯   ◯   ◯
   │ │
   │▢│ ◯   ◯   ◯
   └─┘
    1   3   5   7
```
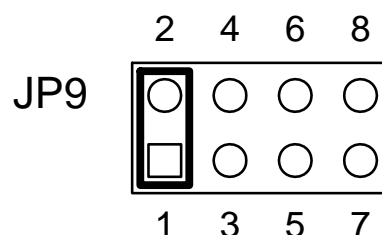
4 Installing Hardware on PC

Follow those steps:

1. Shut down and power off your computer

2. Remove all covers from the computer

3. Select an empty PCI slot

4. Carefully insert your I/O card into the PCI slot

5. Replace the PC covers

6. Power on the computer

After powering-on the computer, the Plug&Play card could work immediately.

5 Pin Assignments

> ➢ **CON1: 37 pin of D-type female connector.**

Pin No.	Description	Pin No	Description
1	NO0	20	NO3
2	COM0	21	COM3
3	×	22	×
4	NO1	23	NO4
5	COM1	24	COM4
6	×	25	NO5
7	NO2	26	COM5
8	COM2	27	NO6
9	×	28	COM6
10	NO7	29	×
11	COM7	30	DIB0
12	DIA0	31	DIB1
13	DIA1	32	DIB2
14	DIA2	33	DIB3
15	DIA3	34	DIB4
16	DIA4	35	DIB5
17	DIA5	36	DIB6
18	DIA6	37	DIB7
19	DIA7		

6 Self-Test

1. Prepare for device:
   ➢ DN-37(Optional) wiring terminal board.
   ➢ Exterior power supply device. For example: DP-665(Optional)

2. Use DN-37 to connect the board CON1.

3. Supply the External Power +24 V to CON1.NO0
   .... Supply the External Power +24 V to CON1.NO7

4. Supply the External Power GND to CON1.DIB0
   .... Supply the External Power GND to CON1.DIB7

5. Connect the CON1.COM0 with CON1.DIA0
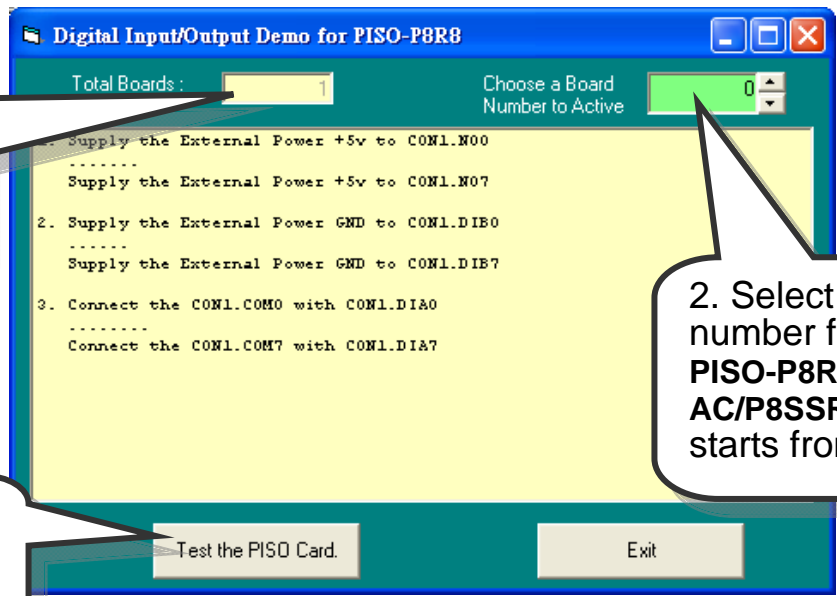   .... Connect the CON1.COM7 with CON1.DIA7
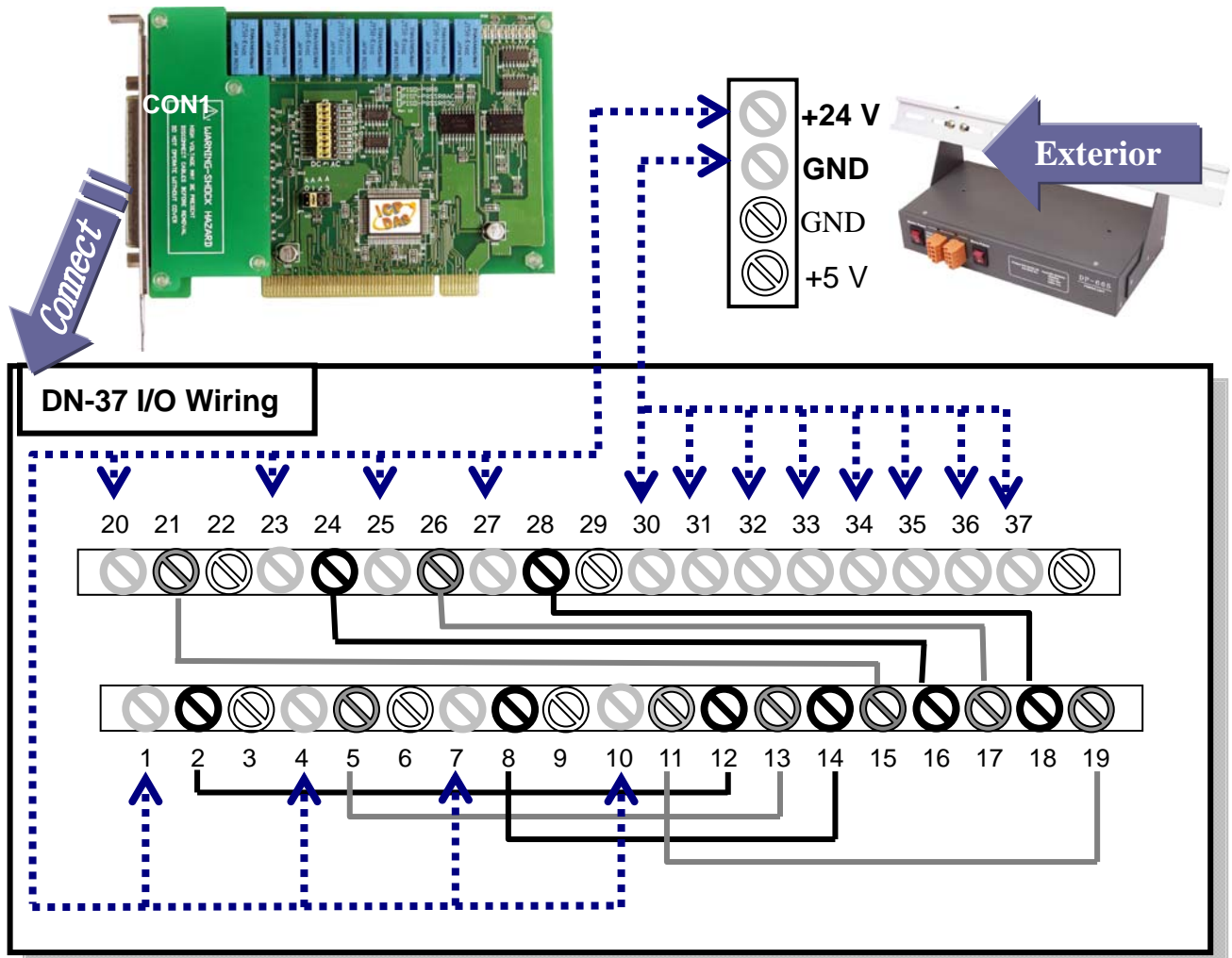
6. Run the PISO-P8R8/P8SSR8AC/P8SSR8DC sample program.

Get the file from:

CD:\NAPDOS\PCI\PISO-DIO\DLL_OCX\Demo\

http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/piso-dio/dll_ocx/demo/

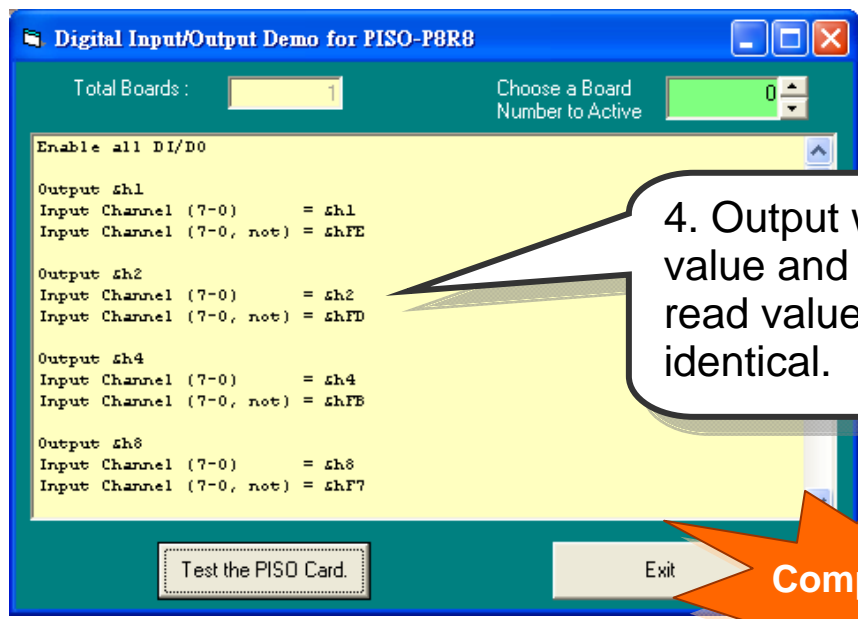## 7. Check number of the PISO-P8R8/ P8SSR8AC/ P8SSR8DC and test DIO function.

1. The one **PISO-P8R8/P8SSR8AC/P8SSR8DC** had successfully installed to PC.

2. Select the board number for the **PISO-P8R8/P8SSR8AC/P8SSR8DC.** It starts from 0.

3. Click this button to do DIO test.

8. Get DIO function test result.

4. Output write value and Input read value for identical.

Complete

7 Additional Information

✓ **PISO-P8R8/P8SSR8AC/P8SSR8DC Series Card**

Product page:

http://www.icpdas.com/products/DAQ/pc_based/piso_p8r8.htm
http://www.icpdas.com/products/DAQ/pc_based/piso_p8ssr.htm

✓ **DP-665(Optional) page:**

http://www.icpdas.com/products/Accessories/power_supply/dp-665.htm

✓ **DN-37(Optional) page:**

http://www.icpdas.com/products/DAQ/screw_terminal/dn_37.htm

✓ **Documents:**

CD:\NAPDOS\PCI\PISO-DIO\Manual
http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/piso-dio/manual/

✓ **Software:**

CD:\NAPDOS\PCI\PISO-DIO
http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/piso-dio/

The ICP DAS Web Site

http://www.icpdas.com

■ Technical support
■ Supplies and ordering information
■ Ways to enhance your device
■ FAQ
■ Application story

Contact Us
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