I/O CARD QUICK START GUIDE

for PCI-P8R8/P16R16

1 What's on your package?

➢ One PCI-P8R8/P16R16 card

➢ One companion PCI CD (V 3.2 or later)

➢ One Quick Start Guide(This document)

2 Installing Windows Driver

Follow those steps:
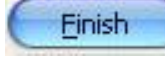
I. Setup the Windows driver.

You can get the driver from:

CD:\NAPDOS\PCI\PCI-P16R16\DLL_OCX\

http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/pci-p16r16/dll_ocx/

II.   Click [Next >] button to start installation.

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

IV. Click [Install] button to continue installation.

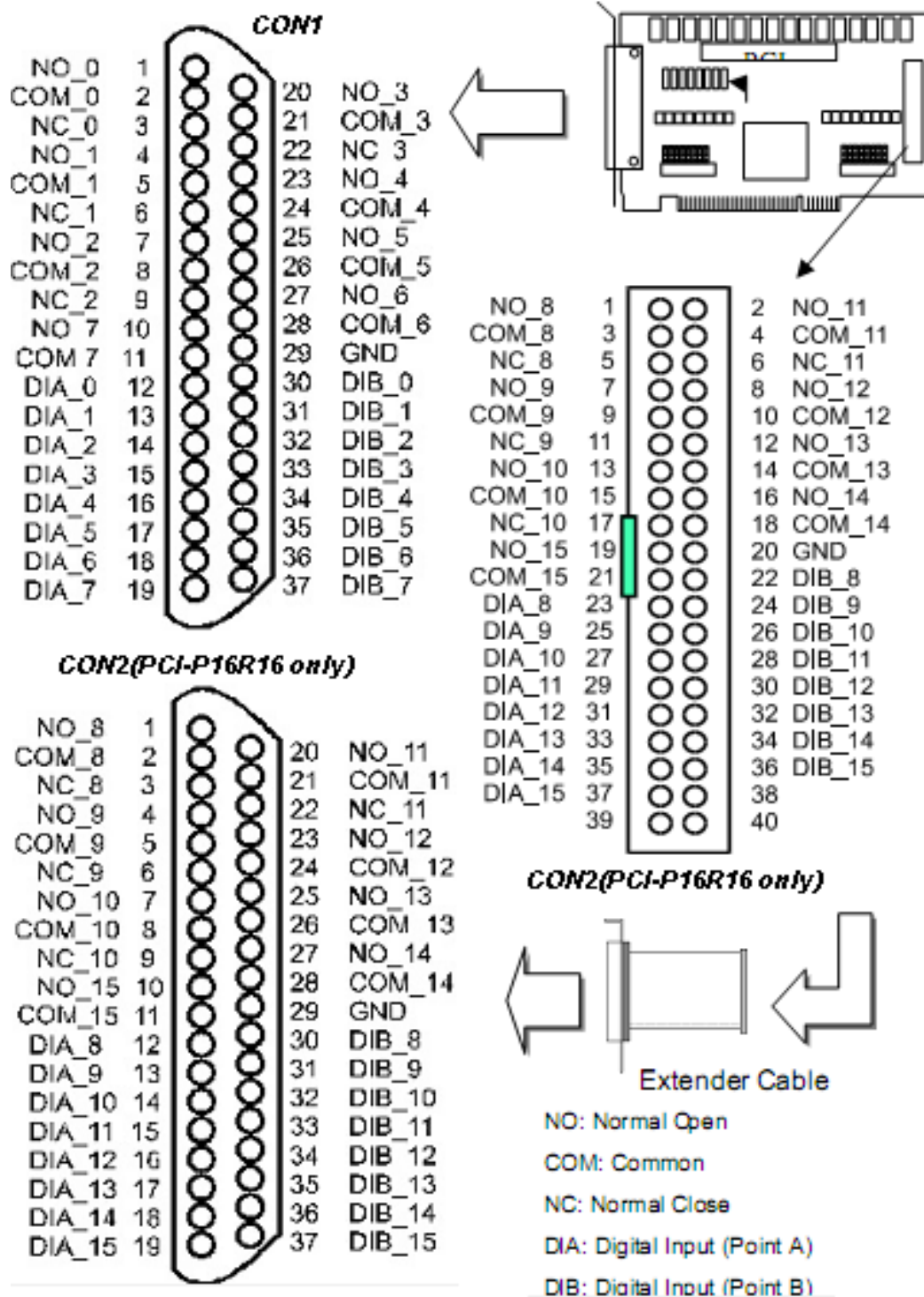V.   Click [Finish] button to reboot the PC.

3 Installing Hardware on PC

Follow those steps:

I.   Shut down your computer

II.   Remove all covers from the computer

III. Select an unused PCI slot

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

V.   Replace the PC covers

VI. Power on the computer

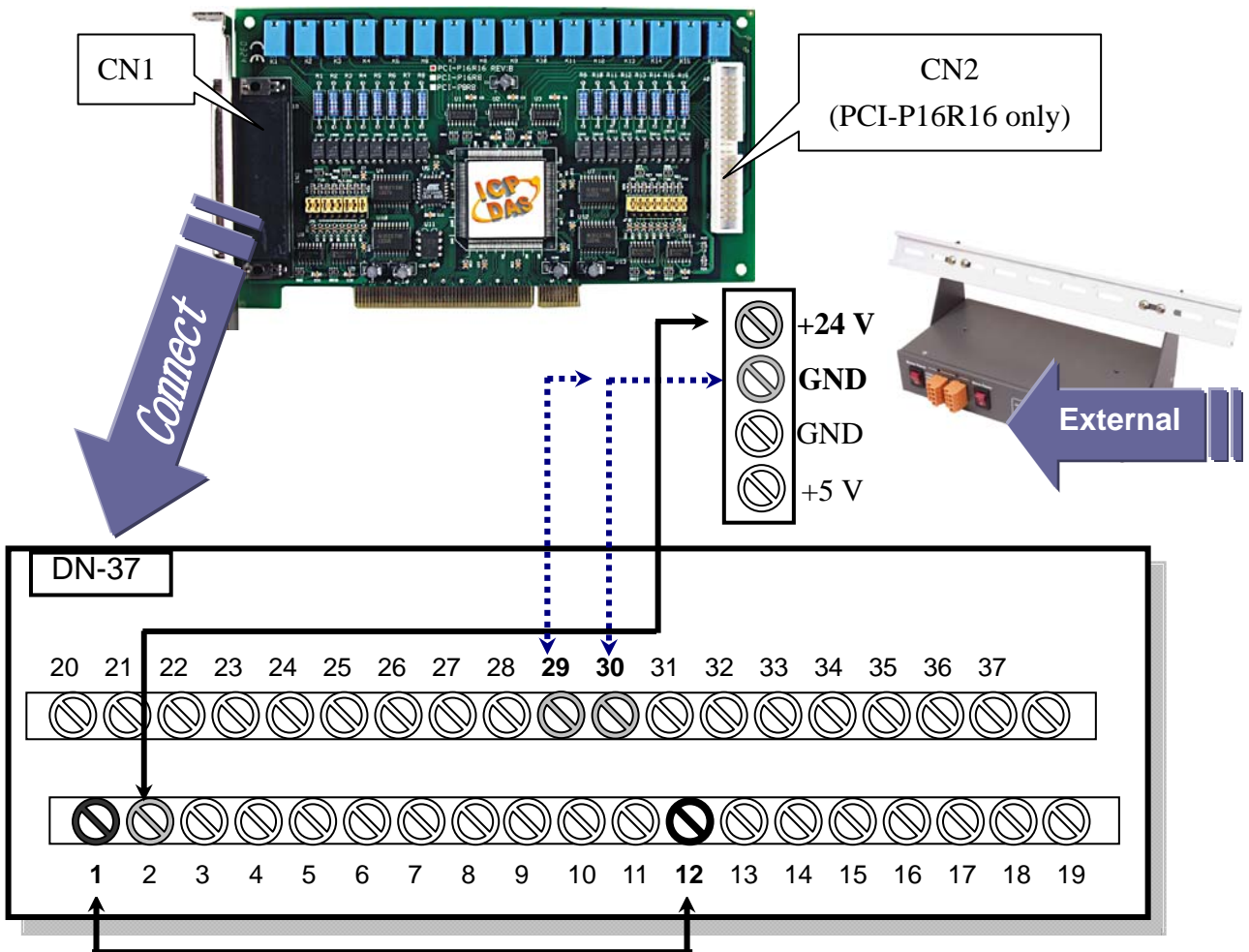After powering-on the computer, the Plug&Play card could work immediately.

4 Pin Assignments

CON1

NO_0	1	20	NO_3
COM_0	2	21	COM_3
NC_0	3	22	NC_3
NO_1	4	23	NO_4
COM_1	5	24	COM_4
NC_1	6	25	NO_5
NO_2	7	26	COM_5
COM_2	8	27	NO_6
NC_2	9	28	COM_6
NO_7	10	29	GND
COM_7	11	30	DIB_0
DIA_0	12	31	DIB_1
DIA_1	13	32	DIB_2
DIA_2	14	33	DIB_3
DIA_3	15	34	DIB_4
DIA_4	16	35	DIB_5
DIA_5	17	36	DIB_6
DIA_6	18	37	DIB_7
DIA_7	19		

CON2(PCI-P16R16 only)

NO_8	1	2	NO_11
COM_8	3	4	COM_11
NC_8	5	6	NC_11
NO_9	7	8	NO_12
COM_9	9	10	COM_12
NC_9	11	12	NO_13
NO_10	13	14	COM_13
COM_10	15	16	NO_14
NC_10	17	18	COM_14
NO_15	19	20	GND
COM_15	21	22	DIB_8
DIA_8	23	24	DIB_9
DIA_9	25	26	DIB_10
DIA_10	27	28	DIB_11
DIA_11	29	30	DIB_12
DIA_12	31	32	DIB_13
DIA_13	33	34	DIB_14
DIA_14	35	36	DIB_15
DIA_15	37	38	
	39	40	

CON2(PCI-P16R16 only)

CON2(PCI-P16R16 only)

NO_8	1	20	NO_11
COM_8	2	21	COM_11
NC_8	3	22	NC_11
NO_9	4	23	NO_12
COM_9	5	24	COM_12
NC_9	6	25	NO_13
NO_10	7	26	COM_13
COM_10	8	27	NO_14
NC_10	9	28	COM_14
NO_15	10	29	GND
COM_15	11	30	DIB_8
DIA_8	12	31	DIB_9
DIA_9	13	32	DIB_10
DIA_10	14	33	DIB_11
DIA_11	15	34	DIB_12
DIA_12	16	35	DIB_13
DIA_13	17	36	DIB_14
DIA_14	18	37	DIB_15
DIA_15	19		

Extender Cable

NO: Normal Open

COM: Common

NC: Normal Close

DIA: Digital Input (Point A)

DIB: Digital Input (Point B)

5 Self-Test

I. Prepare items.
- ■ DN-37(Optional)
- ■ External Power Device ex.DP-665(Optional)

II. Use DN-37 to connect the CN1.NO0 with CN1.DIA_0.
(pin1 connect to pin12)

III. Use DP-665 +24 V connect to DN-37 CN1.COM0 and then DP-665 GND connects to GND and DN-37 DIB_0.
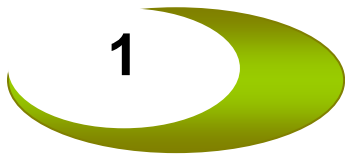(+24 V connect to pin2, GND(-) connect to pin29 and pin30).

IV. Run the DIO sample program.
   Get the zipped file from:
   CD:\NAPDOS\PCI\PCI-P16R16\dll_ocx\Demo

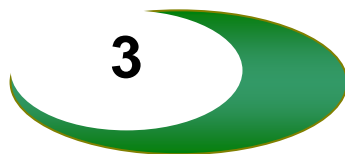V. Check number of the PCI-P16R16, and test DIO function.

Please follow those steps:

1 | **The one PCI-P8R8/P16R16 had successfully installed to PC.**

2 | **Select the board number for the PCI-P8R8/P16R16.It starts from 0.**

3 | **Click this button to do DIO test.**

4 | **Check the Bit 0(Checkbox) from Digital Output Set**

5 | **Bit 0(light) of the Digital Input Status will change to Red light(High), PASS!!**

6 Additional Information

✓ PCI-P8R8/P16R16 Card Product page:

http://www.icpdas.com/products/DAQ/pc_based/pci_p16r16.htm

✓ DN-37(Optional) page:

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

✓ DP-665(Optional) page:

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

✓ Documents:

CD:\NAPDOS\PCI\PCI-P16R16\manual
http://ftp.icpdas.com.tw/pub/cd/iocard/pci/napdos/pci/pci-p16r16/manual/

✓ Software:

CD:\NAPDOS\PCI\PCI-P16R16
http://www.icpdas.com/download/pci/p16r16/index.htm

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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