

1 What's in your package?

- One PIO-DA4U/8U/16U series card
- One companion PCI CD (V3.6 or later)
- One Quick Start Guide (This document)

2 Installing Windows Driver

Follow these steps:

1. Set up the Windows driver.

The driver is location at:

CD:\NAPDOS\PCI\PIO-DA\DLL_OCX\Driver\

http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/pio-da/dll_ocx/driver/



The Windows driver only supports Windows 98/NT/2000 and XP/2003/vista 32-bit versions.

2. Click the **Next >** button to start the installation.
3. Click the **Next >** button to install the driver into the default folder.
4. Click the **Install** button to continue the installation.
5. Select the **"NO, I will restart my computer later"** and then click the **Finish** button.

3 Installing Hardware on PC

Follow these steps:

1. Shut down and power off your computer
2. Remove the cover from the computer
3. Select an unused PCI slot
4. Carefully insert your I/O card into the PCI slot
5. Replace the PC cover
6. Power on the computer

After powering-on the computer, please finished the Plug&Play steps according to the prompt message.

4 Pin Assignments

- CN1, CN2 Pin Assignments. (Digital output/input)



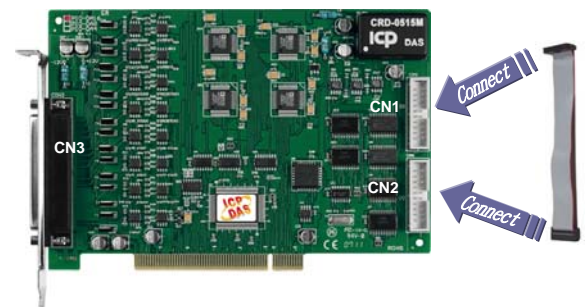
- CN3 Pin Assignments. (Analog Output)

PIO-DA16/DA8/DA4		PIO-DA16U/DA8U/DA4U	
Pin	Name	Pin	Name
1	Voltage Output 0	20	Current Output 0
2	Voltage Output 1	21	Current Output 1
3	Voltage Output 2	22	Current Output 2
4	Voltage Output 3	23	Current Output 3
5	Analog ground	24	Analog ground
6	Voltage Output 4	25	Current Output 4
7	Voltage Output 5	26	Current Output 5
8	Voltage Output 6	27	Current Output 6
9	Voltage Output 7	28	Current Output 7
10	Analog ground	29	Analog ground
11	Voltage Output 8	30	Current Output 8
12	Voltage Output 9	31	Current Output 9
13	Voltage Output 10	32	Current Output 10
14	Voltage Output 11	33	Current Output 11
15	Analog ground	34	Current Output 12
16	Voltage Output 12	35	Current Output 13
17	Voltage Output 13	36	Current Output 14
18	Voltage Output 14	37	Current Output 15
19	Voltage Output 15		

※Note: Pin 24 and Pin 29 are not Analog Ground on PIO-DA Universal board.
Wiring of applications transferred from PIO-DA to PIO-DA Universal board need be rearranged.

5 Self Test

1. Use the CA-2002(Optional) to connect CN1 to CN2.



2. Execute the PIO-DA sample program.

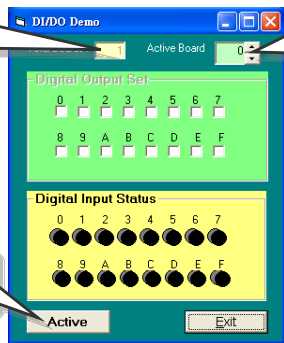
The sample program is contained in a zip file which is located at:

CD:\NAPDOS\PCI\PIO-DA\DLL_OCX\Demo

http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/pio-da/dll_ocx/demo/

3. Check the board number of the PIO-DA, and test the DIO functions.

1. One PIO-DA has been successfully installed in PC.

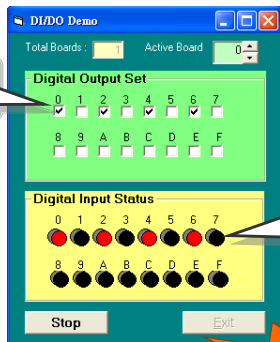


2. Select the board number for the PIO-DA. It starts from 0.

3. Click the test button to run the DIO test.

4. Get DIO function test result.

4. Click the channel 0, 2, 4, 6 in the DO.



5. DI show to channel 0, 2, 4, 6 for high state. (Red light)



6 Additional Information

✓ **PIO-DA4U/8U/16U Series Card Product page:**

http://www.icpdas.com/products/DAQ/pc_based/pio_da16-8-4.htm

✓ **CA-2002(Optional) page:**

http://www.icpdas.com/products/Accessories/cable/cable_selection.htm

✓ **Documentation:**

CD:\NAPDOS\PCI\PIO-DA\Manual

<http://ftp.icpdas.com.tw/pub/cd/iocard/pci/napdos/pci/pio-da/manual/>

✓ **Software:**

CD:\NAPDOS\PCI\PIO-DA

<http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/pio-da/>

The ICP DAS Web Site

<http://www.icpdas.com>



- Technical support
- Supplies and ordering information
- Methods of enhancing your device
- FAQ
- Application story

Contact Us

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