

# ICPDAS I/O CARD QUICK START GUIDE

## for PISO-DA4U/8U/16U

Language English  
Version V1.0  
Update Mar.2009

## 1 What's in your package?

- One PISO-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/](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  button to start the installation.
3. Click the  button to install the driver into the default folder.
4. Click the  button to continue the installation.
5. Select the "NO, I will restart my computer later" and then click the  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 empty 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 Digital output/input connector.

Pin	Name	Pin	Name
1	Digital Output 0	2	Digital Output 1
3	Digital Output 2	4	Digital Output 3
5	Digital Output 4	6	Digital Output 5
7	Digital Output 6	8	Digital Output 7
9	Digital Output 8	10	Digital Output 9
11	Digital Output 10	12	Digital Output 11
13	Digital Output 12	14	Digital Output 13
15	Digital Output 14	16	Digital Output 15
17	PCB ground	18	PCB ground
19	PCB +5 V	20	PCB +12 V

Pin	Name	Pin	Name
1	Digital Input 0	2	Digital Input 1
3	Digital Input 2	4	Digital Input 3
5	Digital Input 4	6	Digital Input 5
7	Digital Input 6	8	Digital Input 7
9	Digital Input 8	10	Digital Input 9
11	Digital Input 10	12	Digital Input 11
13	Digital Input 12	14	Digital Input 13
15	Digital Input 14	16	Digital Input 15
17	PCB ground	18	PCB ground
19	PCB +5 V	20	PCB +12 V

- CN3 Analog Output Connector.

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		

## 5 Self Test

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



2. Execute the DIO 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/](http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/pio-da/dll_ocx/demo/)

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

4. Get DIO function test result.

# 6 Additional Information

- ✓ PISO-DA4U/8U/16U Card Product page:  
[http://www.icpdas.com/products/DAQ/pc\\_based/pio\\_da16-8-4.htm](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](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  
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