



I/O CARD QUICK START GUIDE

for **PIO-D48U**

<i>Language</i>	English
<i>Version</i>	V1.0
<i>Update</i>	May.2009

1 What's in your package?

- One PIO-D48U card
- One companion PCI CD (V3.5 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-DIO\dll_ocx\Driver

http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/pio-dio/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:

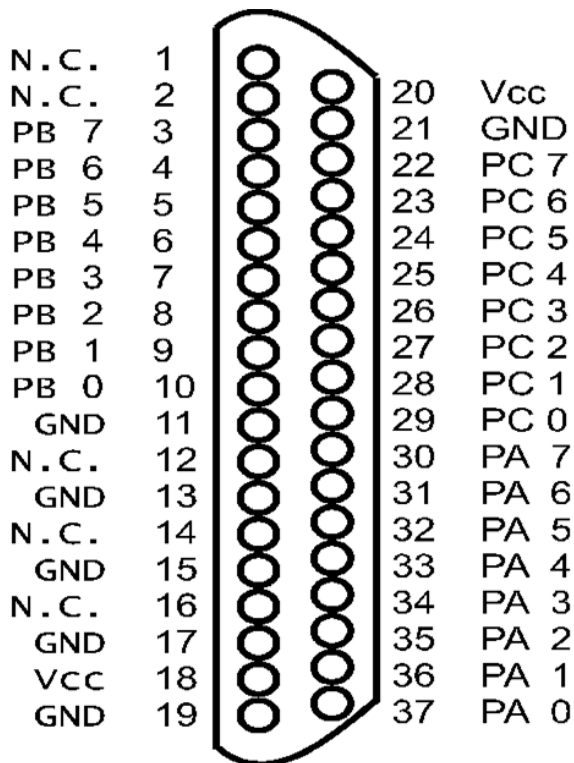
1. Shut down and power off your computer.
2. Remove the cover from the computer.
3. Select an unused PCI slot.
4. Carefully insert your I/O card into the PCI slot.
5. Replace the PC cover.
6. Power on the computer.

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

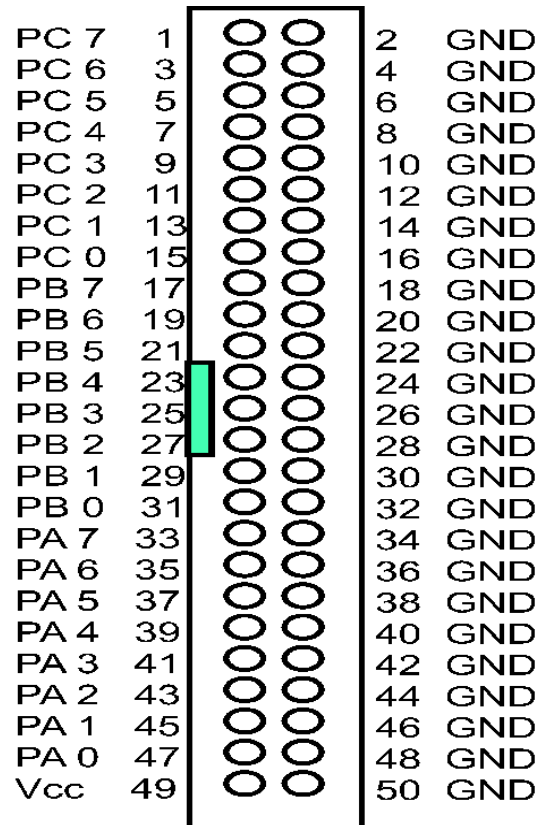
4

Pin Assignments

CN1: 37 pin D-type female connector
(port-0, port-1, port2)



CN2: 50-pin flat-cable connector
(port-3, port-4, port-5)



Note:

Port No.	PA0~7	PB0~7	PC0~7
CN1	Port 0	Port 1	Port 2
CN2	Port 3	Port 4	Port5



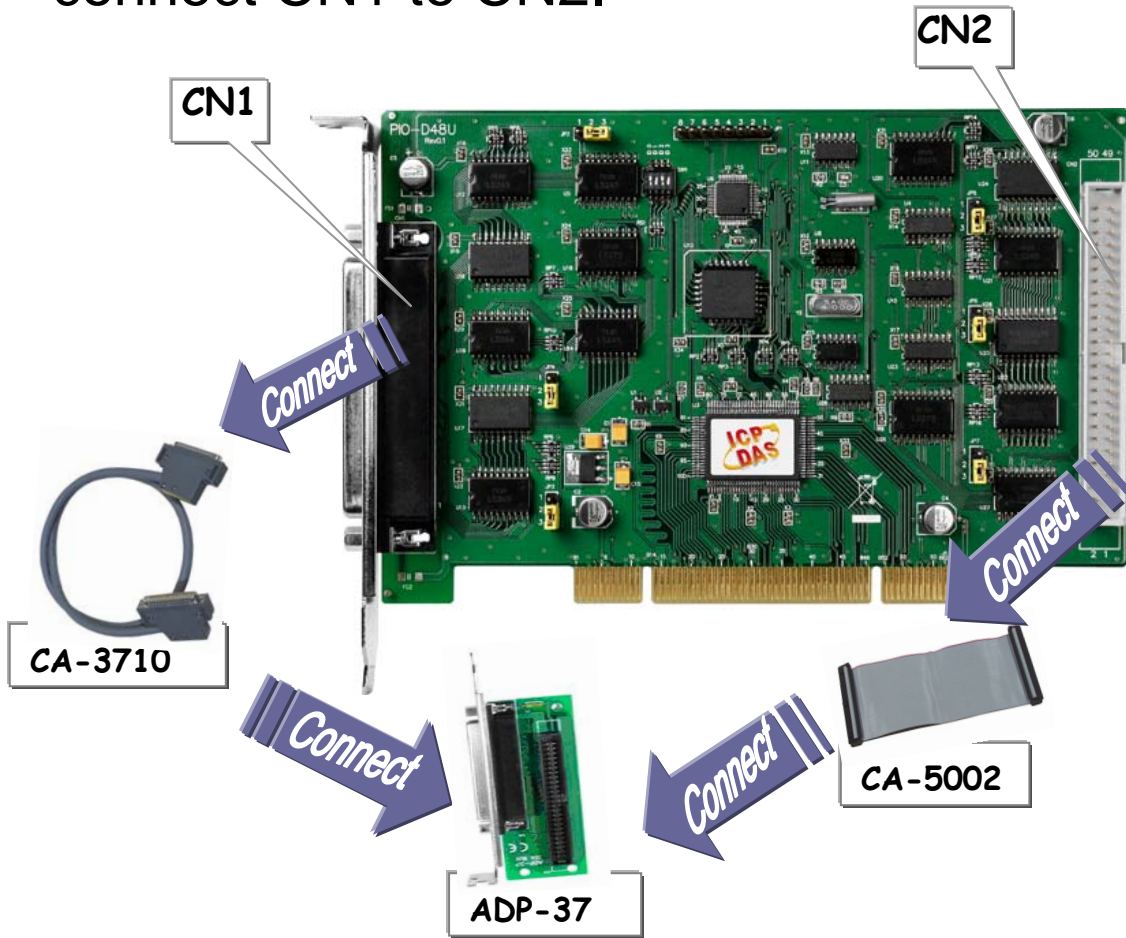
All signals are TTL compatible

TTL High(1)	2.4 V ~ 5.0 V (Voltages over 5.0 V will damage the device)
None Defined	2.4 V ~ 0.8 V
TTL Low(0)	Under 0.8 V

5

Self Test

1. Use the CA-3710 (Optional) and ADP-37 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-DIO\dll_ocx\Demo

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

3. Check the board number of the PIO-D48U, and test DIO functions.

Step1:
One PIO-D48U card has been successfully installed in PC.

Step2:
Select the board number for the PIO-D48U. It starts from 0.

Step3:
Click this button to do DIO function test.

4. Get DIO function test result

1 1 1 = 1 1 1 , Pass!!!

2 2 2 = 2 2 2 , Pass!!!

4 4 4 = 4 4 4 , Pass!!!

8 8 8 = 8 8 8 , Pass!!!

Complete

6

Additional Information

- ✓ PIO-D48U Card Product page:

http://www.icpdas.com/products/DAQ/pc_based/pio_d48.htm

- ✓ CA-3710(Optional) and CA-5002 page:

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

- ✓ ADP-37 page:

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

- ✓ Documentation:

CD:\NAPDOS\PC\PIO-DIO>manual

CD:\NAPDOS\PC\Manual

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

- ✓ Software:

CD:\NAPDOS\PC\PIO-DIO\

<http://www.icpdas.com/download/pci/piodio/index.htm>

The ICP DAS Web Site

<http://www.icpdas.com>



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

Contact Us

Service@icpdas.com

Copyright ©2009 by ICP DAS Co., Ltd. All right are reserved