I/O CARD QUICK START GUIDE
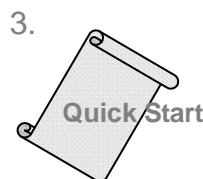
for **PCI-822LU/826LU**

Language	English
Version	V1.0
Update	Oct.2009

1

What's on your package?

➢ One PCI-822LU/PCI-826LU series card

➢ One companion PCI CD (V4.7 or later)

➢ One Quick Start Guide(This document)

➢ One CA-4002 D-Sub connector

1.

PCI-822LU/826LU

2.

CD

3.

Quick Start

4.

CA-4002

2 Installing Windows Driver

Follow these steps:

1. Setup the Windows driver.

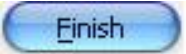   The driver is located at:

   CD:\NAPDOS\PCI\UniDAQ\DLL\

   http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/unidaq/dll/

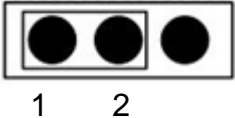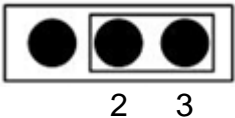   ⚠ The Windows driver only supports Windows 98/NT/2000/ XP/2003/Vista 32-bit and 32-bit Windows 7 versions.
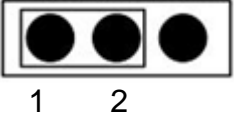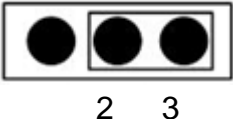
2. Click the **Next >** button to start the installation.

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

4. Click the **Install** button to continue the installation.

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

3 Jumper Setting

- Set JP4 as "Soft Program" for **6. Self Test**.

JP4	Jumper Select (Default)	Software Programmable
DIO-S0	⬤⬤ ⬤ 1　　2	⬤ ⬤⬤ 2　　3

JP4	DIO-S0 is Jumper Select Mode	
	DI (Default)	DO
DIO-S1 (Port A) **DIO-S2 (Port B)**	⬤⬤ ⬤ 1　　2	⬤ ⬤⬤ 2　　3

➢ **Soft Program: Short the Pin 2 and 3 of DIO-S0** to set that the direction of DIO ports are controlled **by software.**

➢ Jump Program: Short the Pin 1 and 2 of DIO-S0 to select Jump Program. The direction of I/O ports will be controlled by hardware.

Short the Pin 1 and 2 of DIO-S1, DIO-S2 to select the corresponding ports as DI port(s) or short the Pin 2 and 3 for setting as DO port(s).

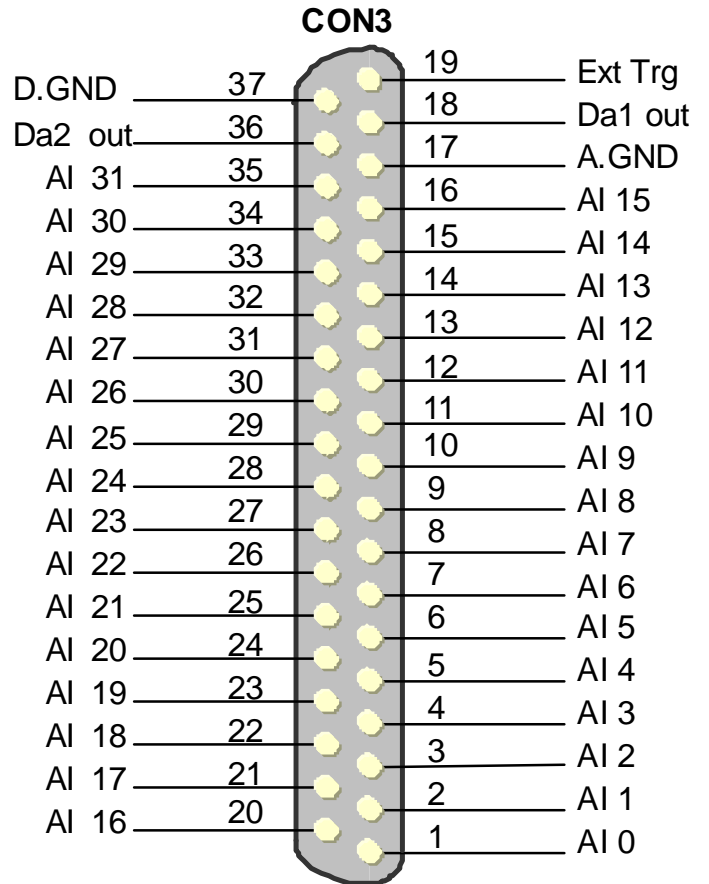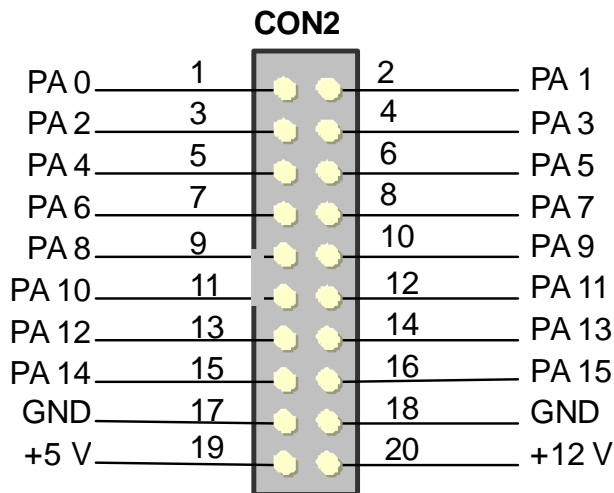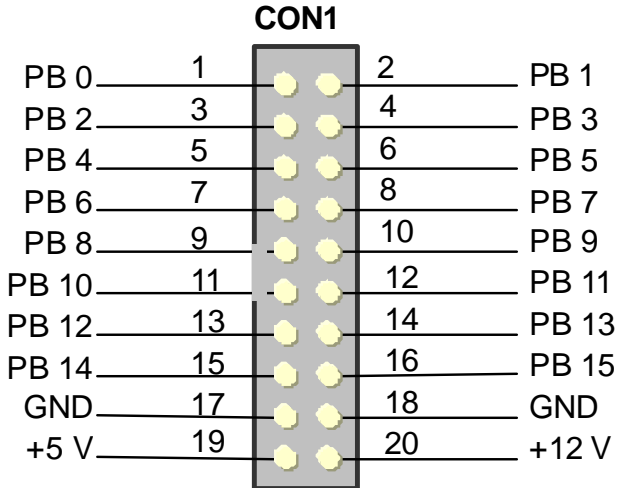# 4 Installing Hardware on PC

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 finish the Plug&Play steps according to the prompt message.

5 Pin Assignments

CON1

PB 0	1	2	PB 1
PB 2	3	4	PB 3
PB 4	5	6	PB 5
PB 6	7	8	PB 7
PB 8	9	10	PB 9
PB 10	11	12	PB 11
PB 12	13	14	PB 13
PB 14	15	16	PB 15
GND	17	18	GND
+5 V	19	20	+12 V

CON2

PA 0	1	2	PA 1
PA 2	3	4	PA 3
PA 4	5	6	PA 5
PA 6	7	8	PA 7
PA 8	9	10	PA 9
PA 10	11	12	PA 11
PA 12	13	14	PA 13
PA 14	15	16	PA 15
GND	17	18	GND
+5 V	19	20	+12 V

CON3

D.GND	37	19	Ext Trg
Da2 out	36	18	Da1 out
AI 31	35	17	A.GND
AI 30	34	16	AI 15
AI 29	33	15	AI 14
AI 28	32	14	AI 13
AI 27	31	13	AI 12
AI 26	30	12	AI 11
AI 25	29	11	AI 10
AI 24	28	10	AI 9
AI 23	27	9	AI 8
AI 22	26	8	AI 7
AI 21	25	7	AI 6
AI 20	24	6	AI 5
AI 19	23	5	AI 4
AI 18	22	4	AI 3
AI 17	21	3	AI 2
AI 16	20	2	AI 1
		1	AI 0

For detail jumper set and pin assignments information, please refer to:

CD:\NAPDOS\PCI\PCI-82x/Manual/PCI-82x User Manual_Eng_Beta.pdf
http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/pci-82x/manual/

6 Self Test

1. Use the CA-2002(Optional) to connect CON1 to CON2.

2. Execute the DIO sample program.

The sample program is contained in:

CD:\NAPDOS\PCI\UniDAQ\DLL\Demo\

http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/unidaq/dll/demo/

3. Select the board name of the PCI-822LU/826LU and select the port number of output/input then test DIO functions.

1: Select the board name of the **PCI-822LU/ PCI-826LU**.

2: Select the port number of output and input.

3: Click this button to do DIO function 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)

Complete

7 Additional Information

✓ PCI-822LU/826LU Series Card Product page:

http://www.icpdas.com/products/DAQ/pc_based/pci-822.htm
http://www.icpdas.com/products/DAQ/pc_based/pci-826.htm

✓ CA-2002(Optional) page:

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

✓ Documentation:

CD:\NAPDOS\PCI\PCI-82x\Manual
http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/pci-82x/manual/

✓ Software:

CD:\NAPDOS\PCI\UniDAQ/DLL
http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/unidaq/dll/

The ICP DAS Web Site

http://www.icpdas.com

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- ■ Supplies and ordering information
- ■ Information related to upgrades, new technologies, products and solutions
- ■ FAQ
- ■ Application examples

Contact Us
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