



# I/O CARD QUICK START GUIDE

for

**A-826PG**

*Language*  
*Version*  
*Update*

English  
V1.0  
Oct.2008

# 1

## What's on your package?

- One A-826 series card
- One companion ISA CD (V2.1 or later)
- One Quick Start Guide(This document)

# 2

## Installing Windows Driver

### Follow those steps:

1. Setup the Windows driver.




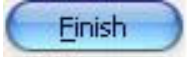
You can get the driver from:

CD:\NAPDOS\ISAA826\DLL\

<http://ftp.icpdas.com/pub/cd/iocard/isa/napdos/isa/a826/dll/>



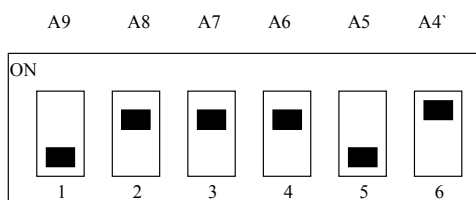
Windows driver only support windows 98/NT/2000 and XP/2003/vista 32-bit versions.

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

# 3

## I/O Base Address & Interrupt Setting

- The base address is set from SW1 DIP switch on board:

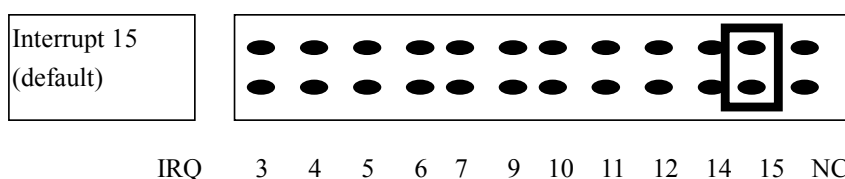


SW1 : BASE ADDRESS

(☑) : default base address is 0x220

BASE ADDR	A9	A8	A7	A6	A5	A4
200-20F	OFF	ON	ON	ON	ON	ON
210-21F	OFF	ON	ON	ON	ON	OFF
<b>220-22F(☑)</b>	<b>OFF</b>	<b>ON</b>	<b>ON</b>	<b>ON</b>	<b>OFF</b>	<b>ON</b>
230-23F	OFF	ON	ON	ON	OFF	OFF
240-24F	OFF	ON	ON	OFF	ON	ON
250-25F	OFF	ON	ON	OFF	ON	OFF
260-26F	OFF	ON	ON	OFF	OFF	ON
270-27F	OFF	ON	ON	OFF	OFF	OFF
280-28F	OFF	ON	OFF	ON	ON	ON
:	:	:	:	:	:	:
2F0-2EF	OFF	ON	OFF	OFF	OFF	OFF
300-30F	OFF	OFF	ON	ON	ON	ON
310-31F	OFF	OFF	ON	ON	ON	OFF
:	:	:	:	:	:	:
3F0-3FF	OFF	OFF	OFF	OFF	OFF	OFF

- The Interrupt Level Setting



# 4

## Installing Hardware on PC

### Follow those steps:

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

After powering-on the computer, continue next process.

# 5

## Adding Hardware



Adding hardware is used on Windows 2000/XP/2003/Vista 32 only. Windows 9X/Me/NT users can skip it.

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### 7. Add Hardware

- 7-1 Open the **“Control Panel”** by click the item **“Start / Settings / Control Panel”**.
- 7-2 Double-click the item **“Add/Remove Hardware”** and Click the **“Next >”** button.
- 7-3 Select the item **“Add/Troubleshoot a device”** and click the **“Next >”** button.
- 7-4 Select the item **“Add a new device”** and click the **“Next >”** button.

- 7-5 Select the item **“No, I want to select the hardware from a list”** and click the **“Next >”** button.
- 7-6 Select the item **“Other device”** and click the **“Next >”** button.
- 7-7 Click the **“Have Disk...”** button.
- 7-8 Click the **“Browse...”** button to select the **Inf** file default path is D:\DAQPro\A826\_WIN2K\Inf and click the **“OK”** button.
- 7-9 Select the correct device from the **“Models:”** listbox and Click the **“Next >”** button.
- 7-10 The windows show to dialog box and Click the **“OK”** button to enter the device’s properties settings.

## 8. Modify the device properties

The image shows three overlapping windows from the Windows Device Manager. The main window is 'ICPDAS A-826 Analog/Digital Card Properties' with the 'Resources' tab selected. It shows resource settings for I/O Range (0220 - 022F) and IRQ (09). A callout '1. Select Input/Output Range' points to the I/O Range field. A 'Change Setting...' button is visible. A callout '3. Select Interrupt Request' points to the IRQ field. Below the main window are two smaller 'Edit' dialog boxes. The top one is 'Edit Input/Output Range' showing the value '0220 - 022F' and a 'No devices are conflicting' message in a red box. A callout '2. Click “Change Setting” to change I/O Range (Depend on I/O Base Address)' points to the 'Change Setting...' button. The bottom one is 'Edit Interrupt Request' showing the value '09' and another 'No devices are conflicting' message. A callout '4. Click “Change Setting” to change Interrupt Request. (Depend on Interrupt Level setting)' points to the 'Change Setting...' button. A dashed arrow points from the 'Change Setting...' button in the main window to the 'Edit Input/Output Range' dialog.

## 9. Reboot the PC

The detail “add hardware” information. Please refer to

CD:\NAPDOSISA\Manual\PCI\_ISA\_PnP\_Driver\_Installation\_in\_Win9x\_2K\_XP.pdf

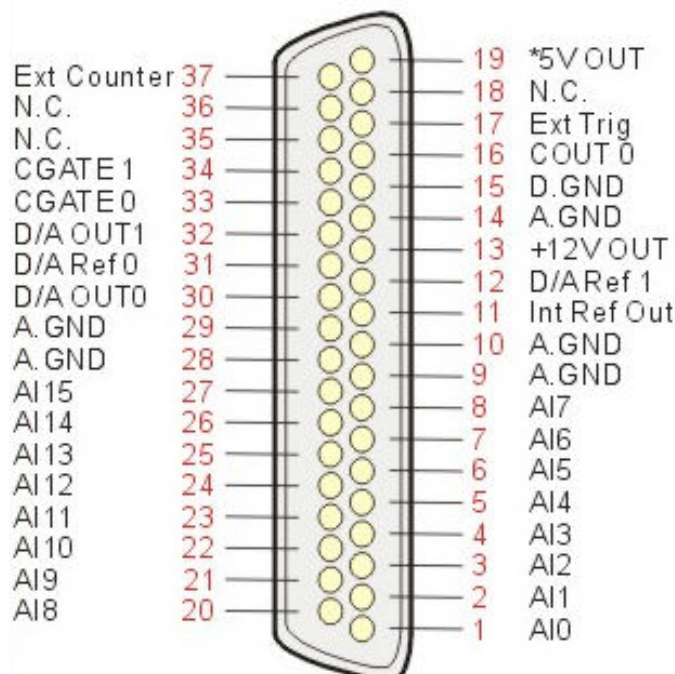
# 6

## Pin Assignments

- **CN1,CN2 : Digital Input/Output Connector.**



- **CN3 : Analog input/Analog output/Timer/Counter Connector.**



The detail pin assignments information. Please refer to :

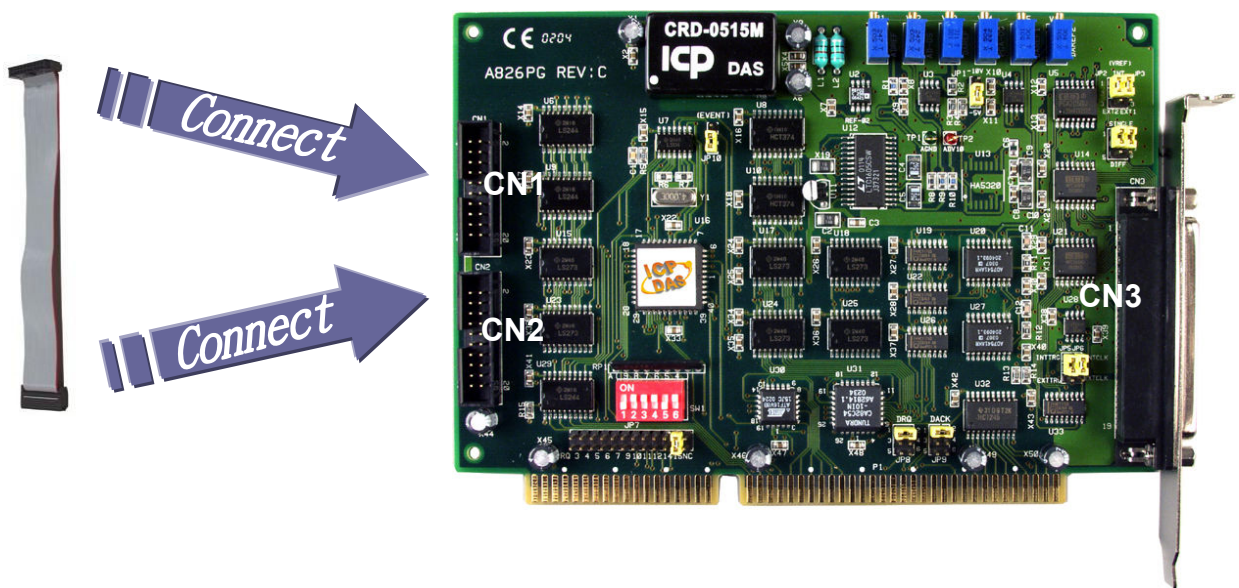
CD:\NAPDOS\ISA\A826\Manual\826.pdf

<http://ftp.icpdas.com/pub/cd/iocard/isa/napdos/isa/a826/manual/826.pdf>

# 7

## Self-Test

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



2. Run the A-821 sample program.

Get the file from(Default):

C:\DAQPro\A821\_WINxxx\DEMO

3. Check number of the A-826, and test DIO function.

The screenshot shows the 'DI/DO Demo' software window. It features a 'Board Setting' panel on the right with 'Total' set to 1 and 'Active' set to 0. Below this are 'Active' and 'Exit' buttons. The main area is divided into two sections: 'Digital Output Set' (green background) and 'Digital Input Status' (yellow background). Both sections have a grid of 16 channels (0-7 and A-F) with checkboxes or indicator lights.

1. The one A-826 had successfully installed to PC.

2. Select the board number for the A-826. It starts from 0.

3. Click this button to do DIO test.

4. Get DIO function test result.

The screenshot shows the 'DI/DO Demo' software window after a test. The 'Board Setting' panel is partially visible. The 'Digital Output Set' section shows channels 0, 2, 4, and 6 checked. The 'Digital Input Status' section shows channels 0, 2, 4, and 6 with red indicator lights, indicating a high state.

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**

# 8

## Additional Information

✓ **A-826 Series Card Product page:**

[http://www.icpdas.com/products/DAQ/pc\\_based/a-826pg.htm](http://www.icpdas.com/products/DAQ/pc_based/a-826pg.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)

✓ **Documents:**

CD:\NAPDOS\ISA\A826\manual

<http://ftp.icpdas.com/pub/cd/iocard/isa/napdos/isa/a826/manual/>

✓ **Software:**

CD:\NAPDOS\ISA\A826

<http://www.icpdas.com/download/isa/a826/index.htm>

### The ICP DAS Web Site

<http://www.icpdas.com>



### Contact Us

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- Technical support
- Supplies and ordering information
- Ways to enhance your device
- FAQ
- Application story

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