



I/O CARD QUICK START GUIDE

for

A-812PG

Language
Version
Update

English
V1.2
Nov.2008

1

What's on your package?

- One A-812 series card
- One companion ISA CD (V2.2 or later)
- One Quick Start Guide(This document)

2

Installing Windows Driver

Follow those steps:



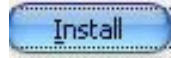
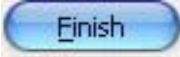
1. Setup the Windows driver. You can get the driver from:

CD:\NAPDOS\ISAA812\

<http://ftp.icpdas.com/pub/cd/iocard/isa/napdos/isa/a812/>



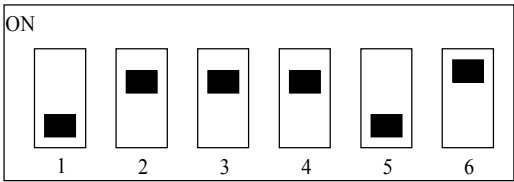
Windows driver only support windows 98/NT/2000 and XP/2003/vista 32-bit versions.

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:

A9 A8 A7 A6 A5 A4



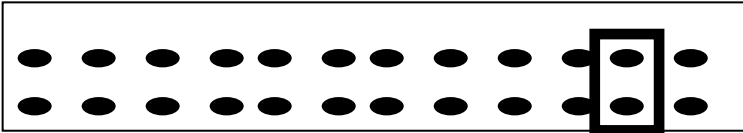
SW1 : BASE ADDRESS

BASE ADDR	A9	A8	A7	A6	A5	A4
200-20F	OFF	ON	ON	ON	ON	ON
210-21F	OFF	ON	ON	ON	ON	OFF
220-22F(☑)	OFF	ON	ON	ON	OFF	ON
230-23F	OFF	ON	ON	ON	OFF	OFF
:	:	:	:	:	:	:
300-30F	OFF	OFF	ON	ON	ON	ON
:	:	:	:	:	:	:
3F0-3FF	OFF	OFF	OFF	OFF	OFF	

(☑) : default base address is 0x220

- The Interrupt Level Setting

**Interrupt 15
(default)**



IRQ
3
4
5
6
7
9
10
11
12
14
15
NC

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.

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 C:\DAQPROVA812_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 a sequence of steps to modify device properties for an ICPDAS A-822 Analog/Digital Card. The main dialog box has three tabs: General, Driver, and Resources. The Resources tab is active, showing resource settings for Input/Output Range (0220 - 022F) and Interrupt Request (07). A 'Change Setting...' button is visible. Two smaller dialog boxes are shown to the right, each with a 'Value' field and a 'Conflict information' section. The first dialog is 'Edit Input/Output Range' with a value of 0220 - 022F and a message 'No devices are conflicting'. The second dialog is 'Edit Interrupt Request' with a value of 07 and a message 'No devices are conflicting'. Annotations with numbered callouts describe the steps: 1. Select Input/Output Range, 2. Click 'Change Setting' to change I/O Range, 3. Select Interrupt Request, and 4. Click 'Change Setting' to change Interrupt Request.

1. Select Input/Output Range
2. Click “Change Setting” to change I/O Range (Depend on I/O Base Address)
3. Select Interrupt Request
4. Click “Change Setting” to change Interrupt Request. (Depend on Interrupt Level setting)

9. Reboot the PC

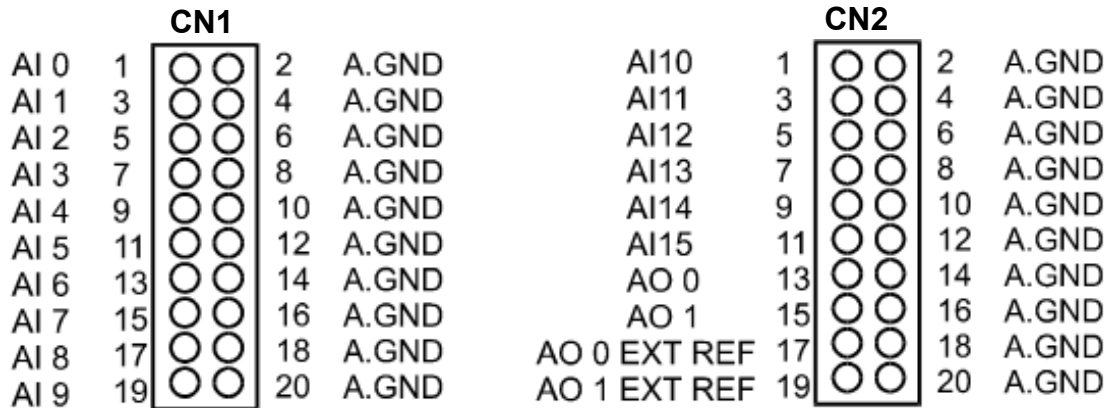
The detail “add hardware” information. Please refer to

CD:\NAPDOSISA\Manual\PCI_ISA_PnP_Driver_Installation_in_Win9x_2K_XP.pdf

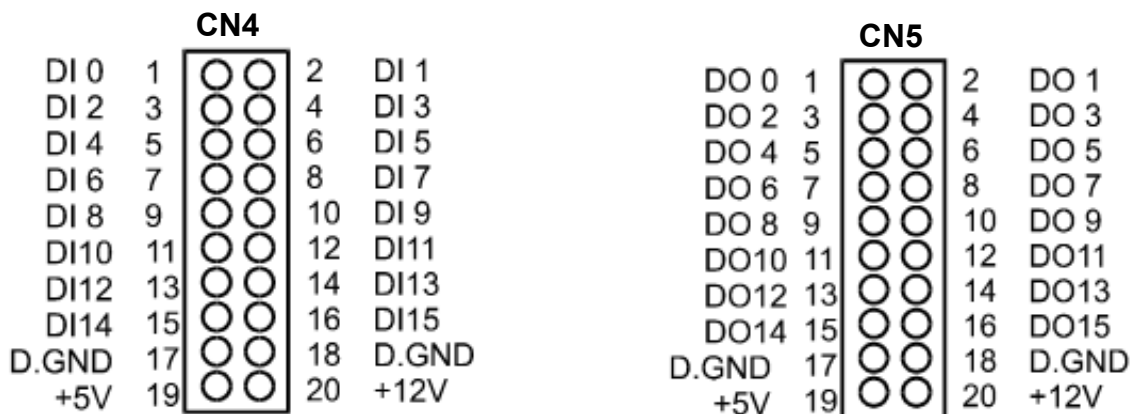
6

Pin Assignments

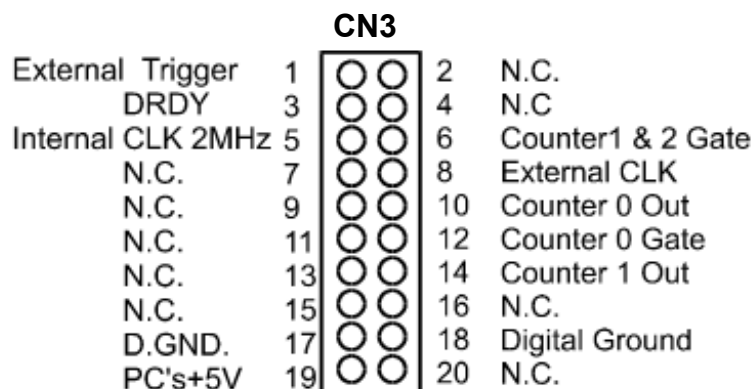
➤ Analog input connector



➤ Digital input/output connector



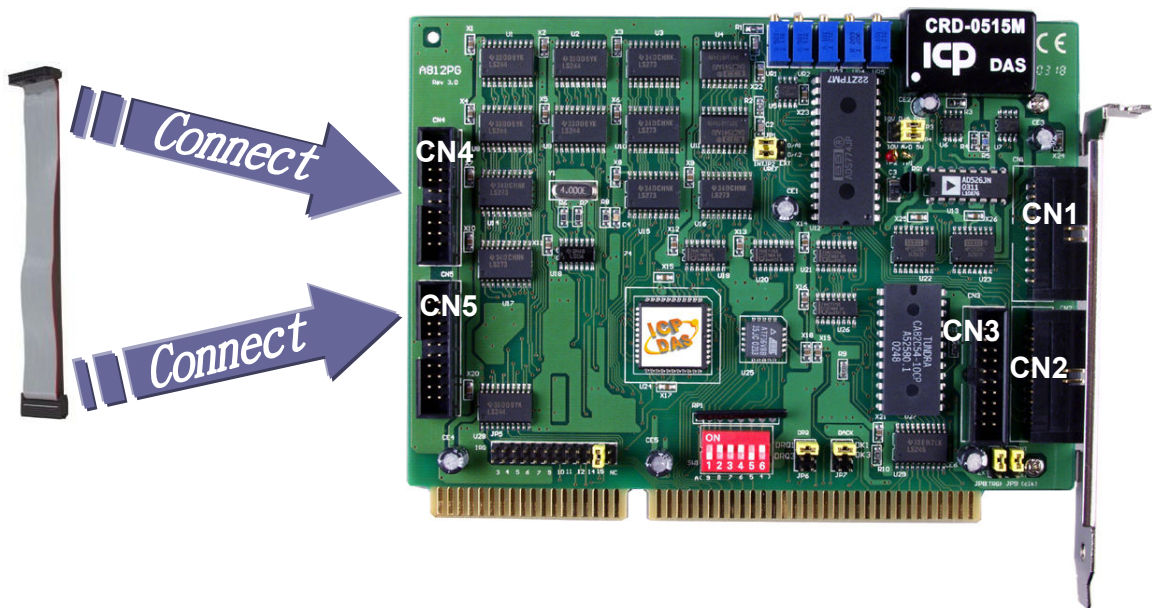
➤ Timer/Counter connector



7

Self-Test

1. Use CA-2002(Optional) to connect the CN4 with CN5.

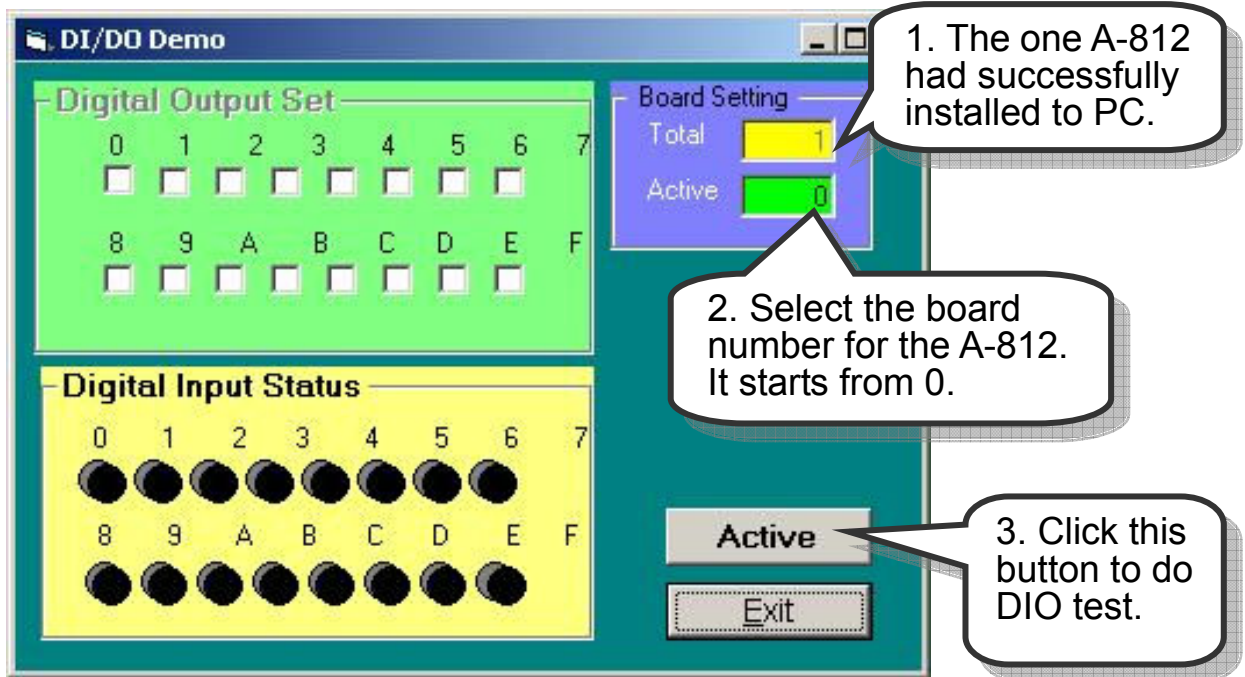


2. Run the A-812 sample program.

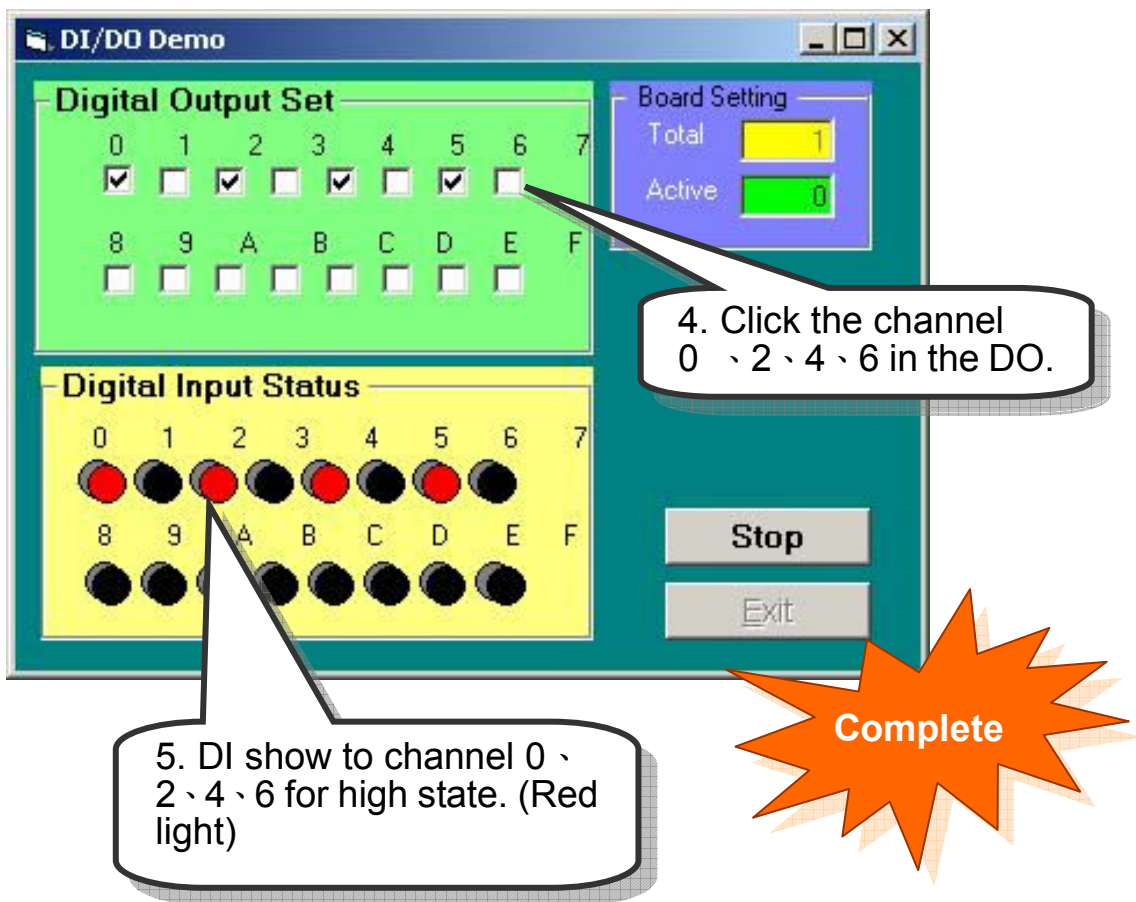
Get the file from(Default):

C:\DAQPro\A812 Win xxx\DEMO

3. Check number of the A-812, and test DIO function.



4. Get DIO function test result.



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Additional Information

✓ **A-812 Series Card Product page:**

http://www.icpdas.com/products/DAQ/pc_based/a-812pg.htm

✓ **CA-2002(Optional) page:**

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

✓ **Documents:**

CD:\NAPDOS\ISA\A812>manual

CD:\NAPDOS\ISA\Manual

<http://ftp.icpdas.com/pub/cd/iocard/isa/napdos/isa/a812/manual/>

✓ **Software:**

CD:\NAPDOS\ISA\A812

<http://www.icpdas.com/download/isa/a812/index.htm>

The ICP DAS Web Site

<http://www.icpdas.com>



Contact Us

Service@icpdas.com

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

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