



# I/O CARD QUICK START GUIDE

for

ISO-813

Language  
Version  
Update

English  
V1.1  
Sep.2008

## 1

### What's on your package?

- One ISO-813 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:




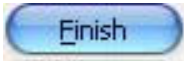
CD:\NAPDOS\ISA\ISO-813\

<http://ftp.icpdas.com/pub/cd/iocard/isa/napdos/isa/iso-813/>

(The Windows NT driver have support the Windows 2K and windows XP/2003/Vista 32bit version.)



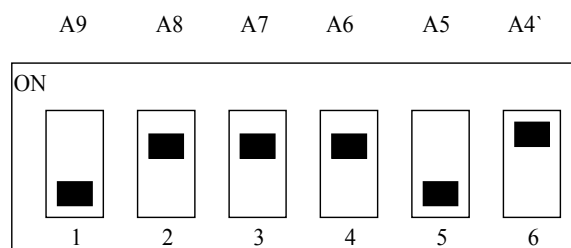
Windows driver only support windows 98/NT/2000 and XP/2003/vista 32-bit versions.

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 & Jumper Setting

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



SW1 : BASE ADDRESS

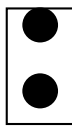
Base Adders	A9 1	A8 2	A7 3	A6 4	A5 5	A4 6
200-20F	OFF	ON	ON	ON	ON	ON
210-21F	OFF	ON	ON	ON	ON	OFF
220-22F(☑)	OFF	ON	ON	ON	OFF	ON
230-23F	OFF	ON	ON	ON	OFF	OFF
:	:	:	:	:	:	:
300-30F	OFF	OFF	ON	ON	ON	ON
:	:	:	:	:	:	:
3F0-3FF	OFF	OFF	OFF	OFF	OFF	

(☑) : default base address is 0x220

## ➤ Jumper Setting

JP1 : Analog Input Range Selection

10V



Input Range : +/-5V

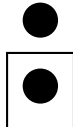
Gain=1

Default setting



20V

10V



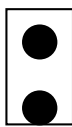
Input Range : +/-10V

Gain=1

20V

JP2 : Bipolar / Unipolar Selection

UNI



BI

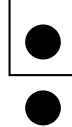
Bipolar mode:

$\pm 10V, \pm 5V, \pm 2.5V, \pm 1.25V,$

$\pm 0.625V, \pm 0.3125V$

Default setting

UNI



BI

Unipolar mode:

0~10V, 0~5V, 0~2.5V

, 0~1.25V, 0~0.625V

# 4

## Installing Hardware on PC

**Follow those steps:**

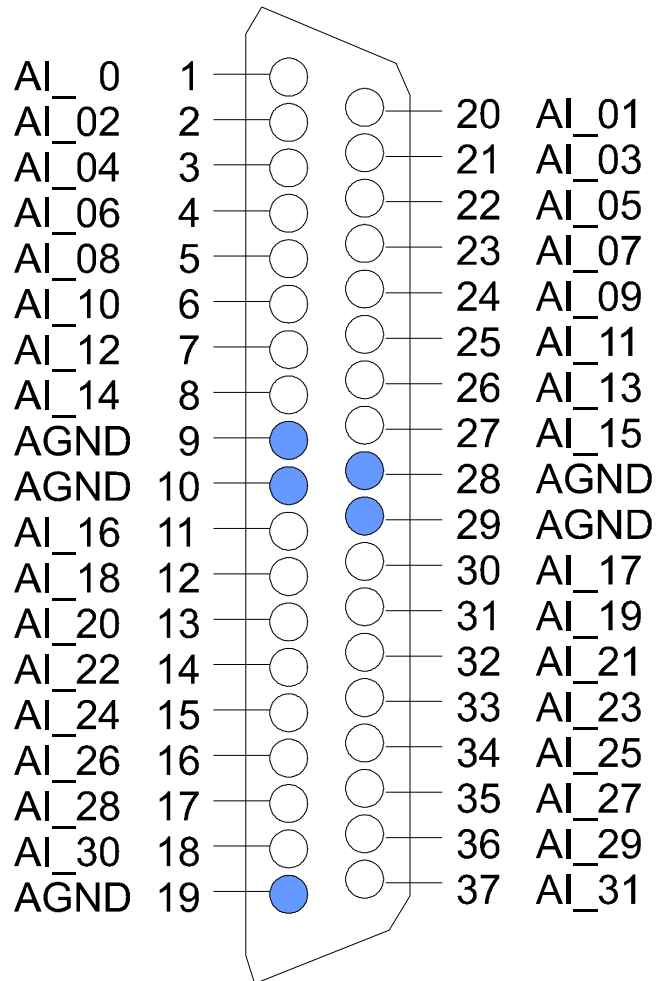
1. Shut down and power off your computer
2. Remove all covers from the computer
3. Select an empty ISA slot
4. Carefully insert your I/O card into the ISA slot
5. Replace the PC covers
6. Power on the computer

After powering-on the computer, continue next process.

# 5

## Pin Assignments

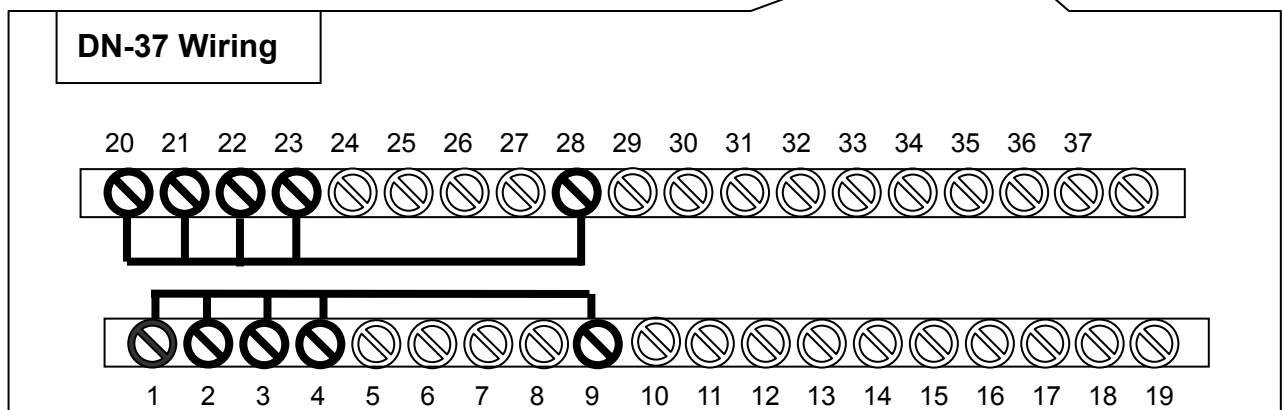
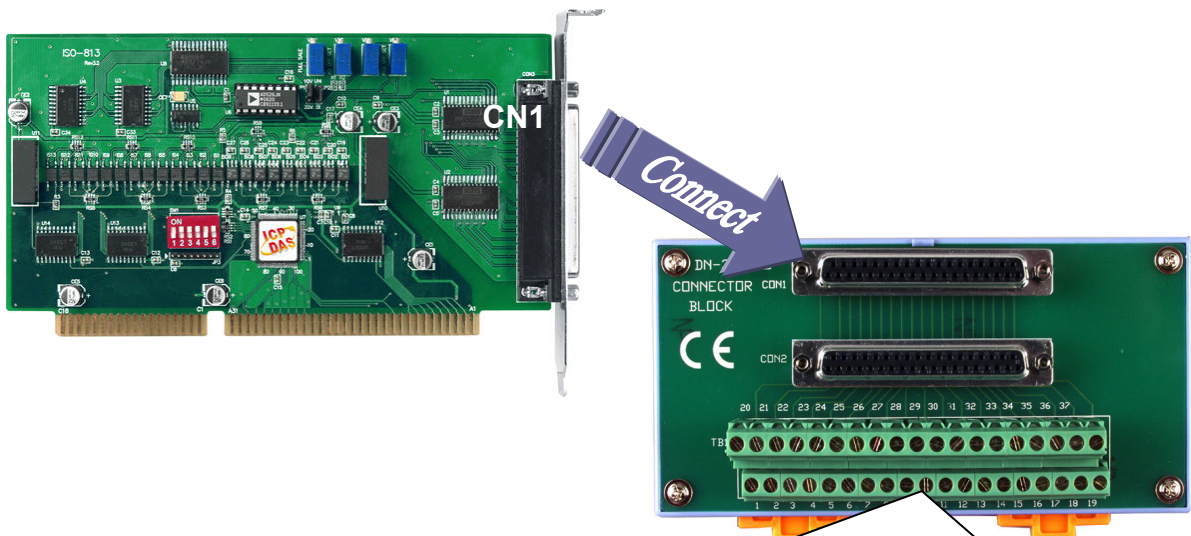
- CN1 analog input pin assignments.



# 6

## Self-Test

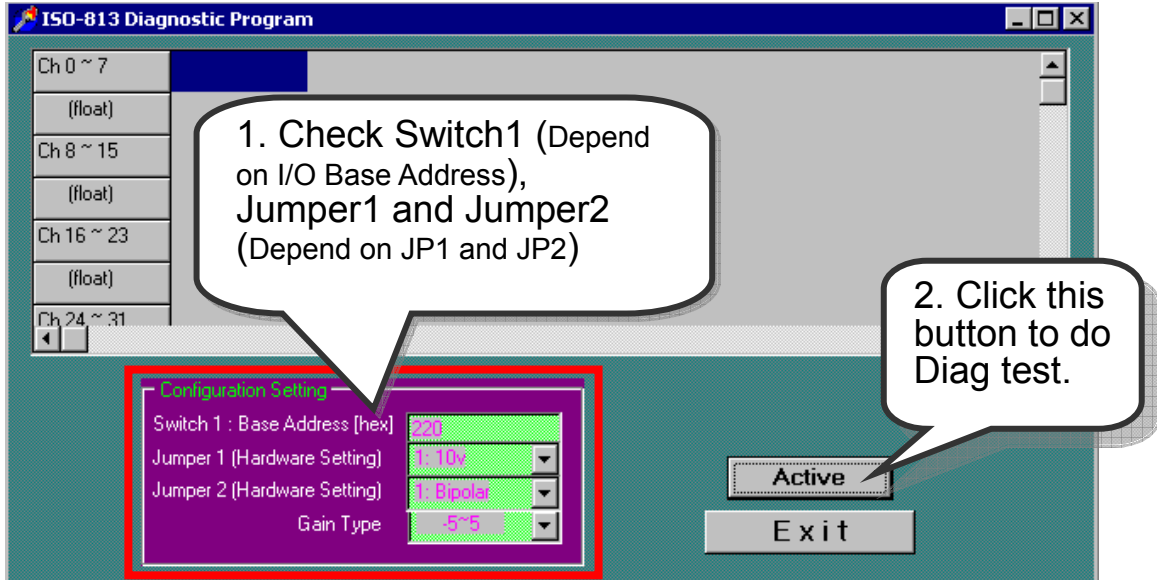
1. Use DN-37(Optional) to connect the analog input channel 0 ~ analog input channel 07.  
AI\_0 connect to AGND, (pin1 connect to pin9)  
AI\_01 connect to AGND, (pin20 connect to pin28)  
AI\_02 connect to AGND, (pin2 connect to pin9)  
AI\_03 connect to AGND, (pin21 connect to pin28)  
AI\_04 connect to AGND, (pin3 connect to pin9)  
AI\_05 connect to AGND, (pin22 connect to pin28)  
AI\_06 connect to AGND, (pin4 connect to pin9)  
AI\_07 connect to AGND. (pin23 connect to pin28)



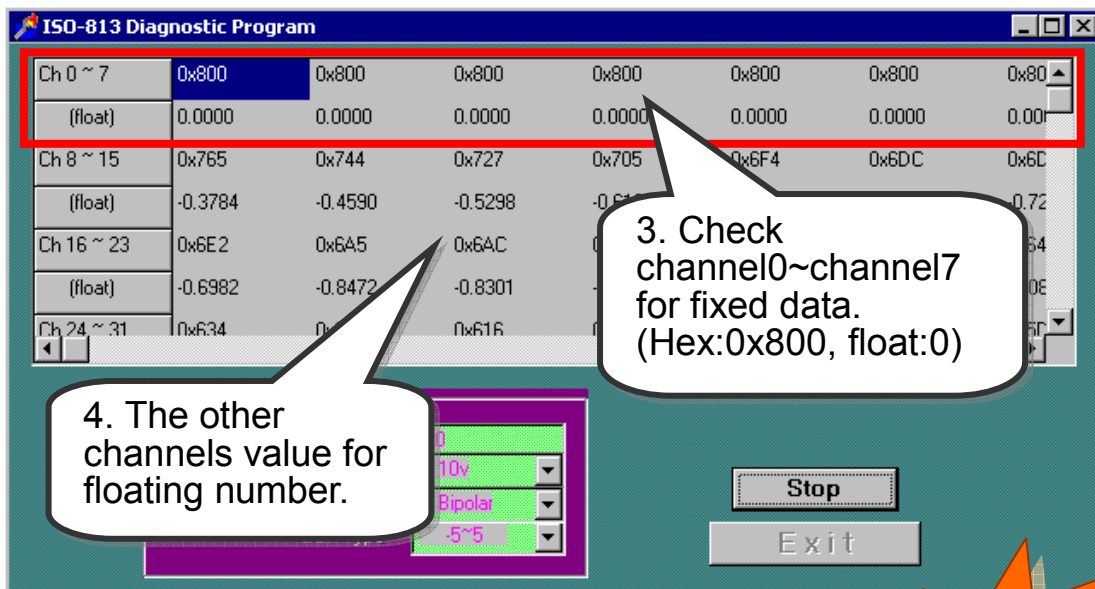
2. Run the ISO-813 sample program.

Get the file from: CD:\NAPDOS\ISO813\_XX\DEMO(Diag)

3. Check configuration setting and test Diag function.



4. Get Diag function test result.



# 8

## Additional Information

✓ **ISO-813 Series Card Product page:**

[http://www.icpdas.com/products/DAQ/pc\\_based/iso\\_813.htm](http://www.icpdas.com/products/DAQ/pc_based/iso_813.htm)

✓ **DN-37(Optional) page:**

[http://www.icpdas.com/products/DAQ/screw\\_terminal/dn\\_37.htm](http://www.icpdas.com/products/DAQ/screw_terminal/dn_37.htm)

✓ **Documents:**

CD:\NAPDOS\ISA\ISO-813>manual

<http://ftp.icpdas.com/pub/cd/iocard/isa/napdos/isa/iso-813/manual/>

✓ **Software:**

CD:\NAPDOS\ISA\ISO813

<http://www.icpdas.com/download/isa/iso813/index.htm>

### The ICP DAS Web Site

<http://www.icpdas.com>



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- Application story

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