



I/O CARD QUICK START GUIDE

for **ISO-DA8/DA16**

<i>Language</i>	English
<i>Version</i>	V1.3
<i>Update</i>	Oct.2015

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What's in your package?

- One ISO-DA8/DA16 series card
- One companion ISA CD (V2.1 or later)
- One Quick Start Guide(This document)

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Installing Windows Driver



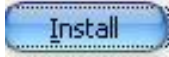
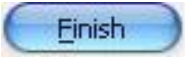
Follow these steps:

1. Set up the Windows driver. The driver is location at:
CD:\NAPDOS\ISA\ISO-DA\
<http://ftp.icpdas.com/pub/cd/iocard/isa/napdos/isa/iso-da/>

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

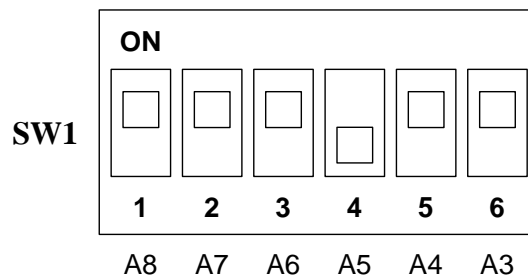


The Windows driver only supports Windows 98/NT/2000 and XP/2003/vista 32-bit versions.

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 I/O Base Address & Interrupt Setting

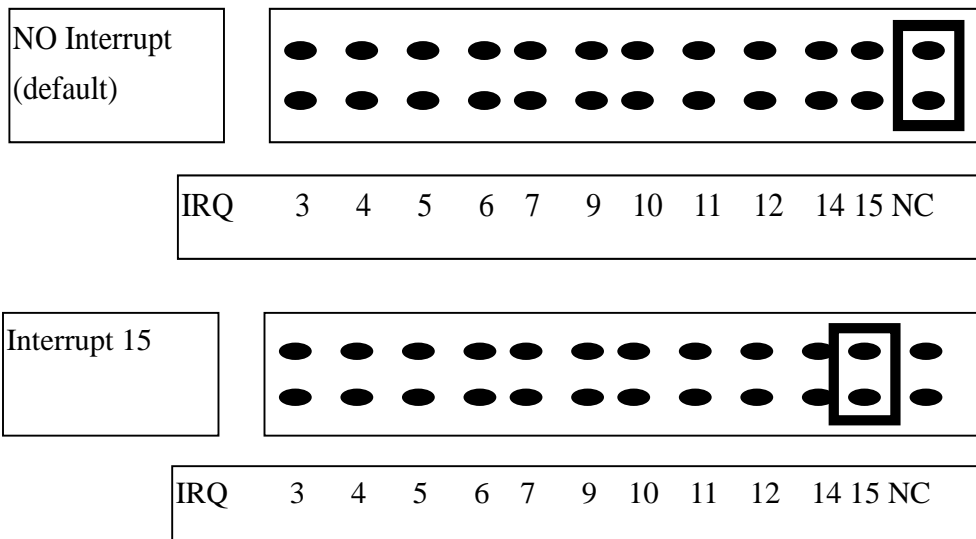
- The base address is set from SW1 DIP switch on board:



BASE ADDR	A8 1	A7 2	A6 3	A5 4	A4 5	A3 6
200-208	ON	ON	ON	ON	ON	ON
208-20F	ON	ON	ON	ON	ON	OFF
:	:	:	:	:	:	:
220-228(☑)	ON	ON	ON	OFF	ON	ON
228-22F	ON	ON	ON	OFF	ON	OFF
:	:	:	:	:	:	:
300-308	OFF	ON	ON	ON	ON	ON
308-30F	OFF	ON	ON	ON	ON	OFF
:	:	:	:	:	:	:
3F0-3F8	OFF	OFF	OFF	OFF	OFF	ON
3F8-3FF	OFF	OFF	OFF	OFF	OFF	OFF

(☑) : default base address is 0x220

➤ **J1 : IRQ Channel Selection.**



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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 ISA slot
4. Carefully insert your I/O card into the ISA slot
5. Replace the PC cover
6. Power on the computer

After powering-on the computer, continue next process.

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Pin Assignments

➤ CN1 and CN2 Pin Assignments. (Digital Input/ Output)

CN1

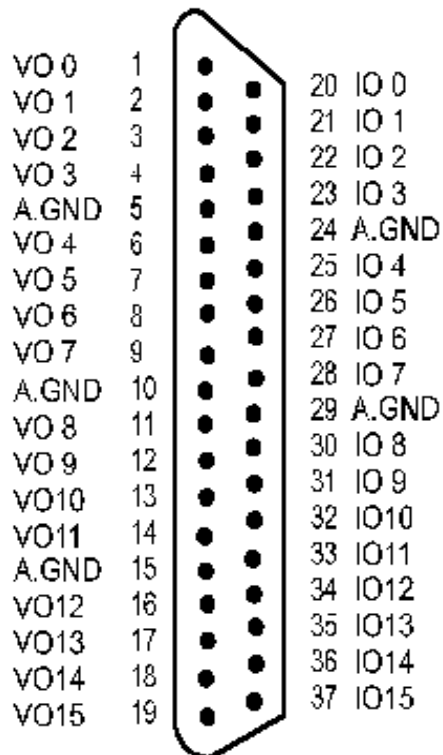
Pin	Description	Pin	Description
1	Digital Input 0/TTL	2	Digital Input 1/TTL
3	Digital Input 2/TTL	4	Digital Input 3/TTL
5	Digital Input 4/TTL	6	Digital Input 5/TTL
7	Digital Input 6/TTL	8	Digital Input 7/TTL
9	Digital Input 8/TTL	10	Digital Input 9/TTL
11	Digital Input 10/TTL	12	Digital Input 11/TTL
13	Digital Input 12/TTL	14	Digital Input 13/TTL
15	Digital Input 14/TTL	16	Digital Input 15/TTL
17	PCB's GND output	18	PCB's GND output
19	PCB's +5 V output	20	PCB's +12 V output

CN2

Pin	Description	Pin	Description
1	Digital Output 0/TTL	2	Digital Output 1/TTL
3	Digital Output 2/TTL	4	Digital Output 3/TTL
5	Digital Output 4/TTL	6	Digital Output 5/TTL
7	Digital Output 6/TTL	8	Digital Output 7/TTL
9	Digital Output 8/TTL	10	Digital Output 9/TTL
11	Digital Output 10/TTL	12	Digital Output 11/TTL
13	Digital Output 12/TTL	14	Digital Output 13/TTL
15	Digital Output 14/TTL	16	Digital Output 15/TTL
17	PCB's GND output	18	PCB's GND output
19	PCB's +5 V output	20	PCB's +12 V output

➤ CN3 Pin Assignments. (Analog Input)

CN3 Pin Assignment



**CN1 & CN2 are
TTL compatible**

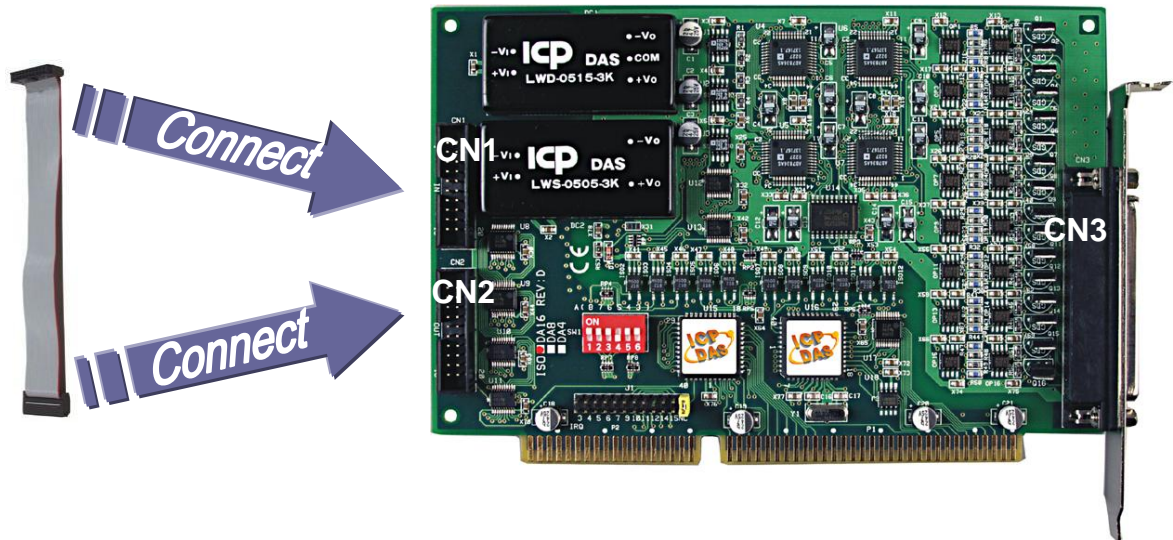
TTL Range

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
Low(0)	Under 0.8 V

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Self Test

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

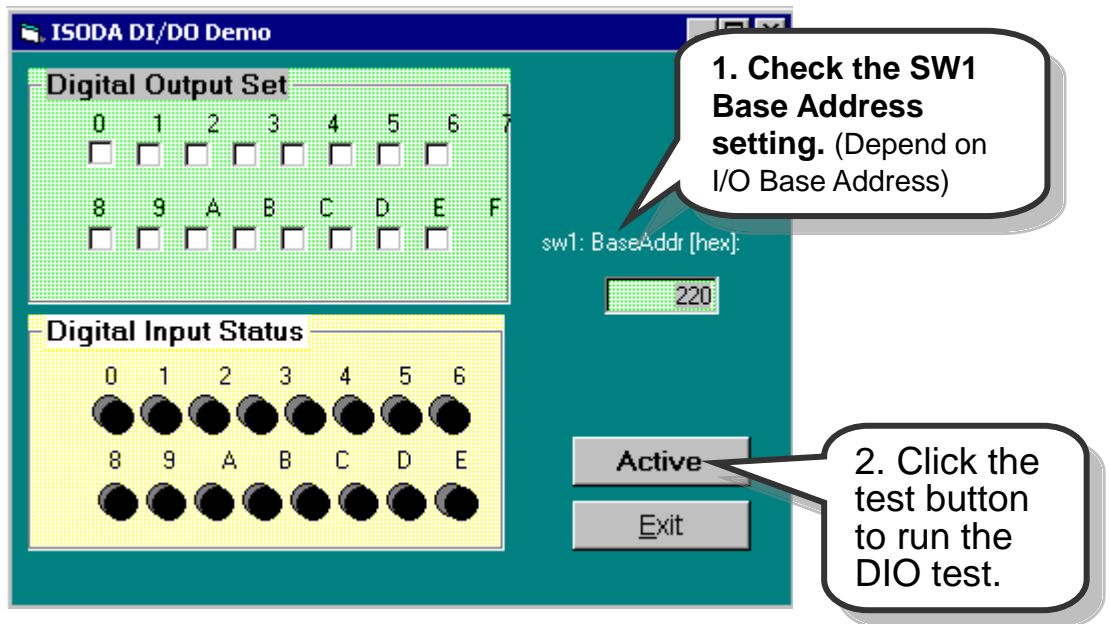


2. Execute the ISO-DA8/DA16 sample program.

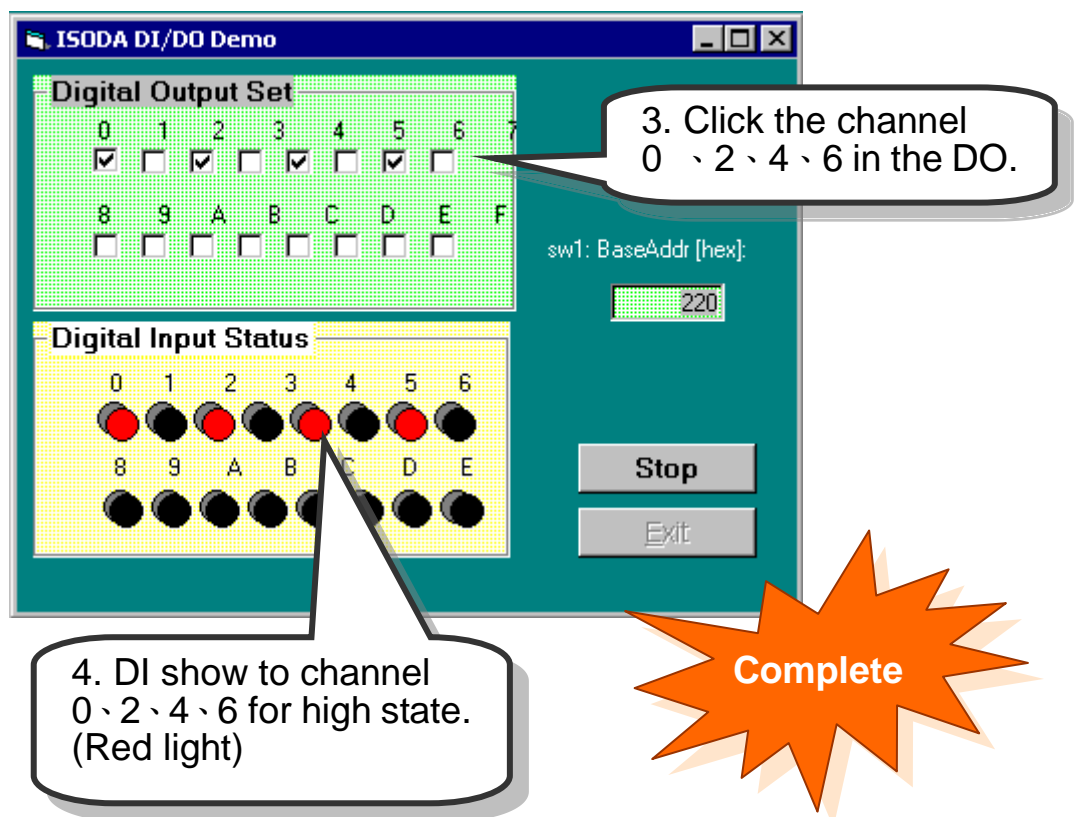
The sample program is contained in a zip file which is located at (Default):

C:\DAQPro\ISO_DA Win xxx\DEMO\

3. Check the I/O Base Address and test the DIO function.



4. Get DIO function test result.



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Additional Information

✓ **ISO-DA8/DA16 Series Card Product page:**

http://www.icpdas.com/products/DAQ/pc_based/iso_da8.htm

http://www.icpdas.com/products/DAQ/pc_based/iso_da16.htm

✓ **CA-2002(Optional) page:**

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

✓ **Documentation:**

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

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

✓ **Software:**

CD:\NAPDOS\ISA\ISO-DA

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

The ICP DAS Web Site

<http://www.icpdas.com>



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

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