



I/O CARD QUICK START GUIDE

for

PCI-D64HU

Language
Version
Update

English
V1.0
Dec.2009

1

What's in your package?

- One PCI-D64HU card
- One companion PCI CD (V4.7 or later)
- One Quick Start Guide (This document)
- One CA-4037W cable and two CA-4002 D-Sub connectors

1.



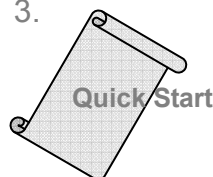
PCI-D64HU

2.



CD

3.



4.



CA-4037W



CA-4002

2

Installing Windows Driver

Follow these steps:

1. Set up the Windows driver.





The driver is located at:

CD:\NAPDOS\PCI\PCI-D64\DLL\Driver

<http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/pci-d64/dll/driver>



The Windows driver only supports Windows 2000/ XP 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 “**NO, I will restart my computer later**” and then click the  button.

3

Installing Hardware on PC

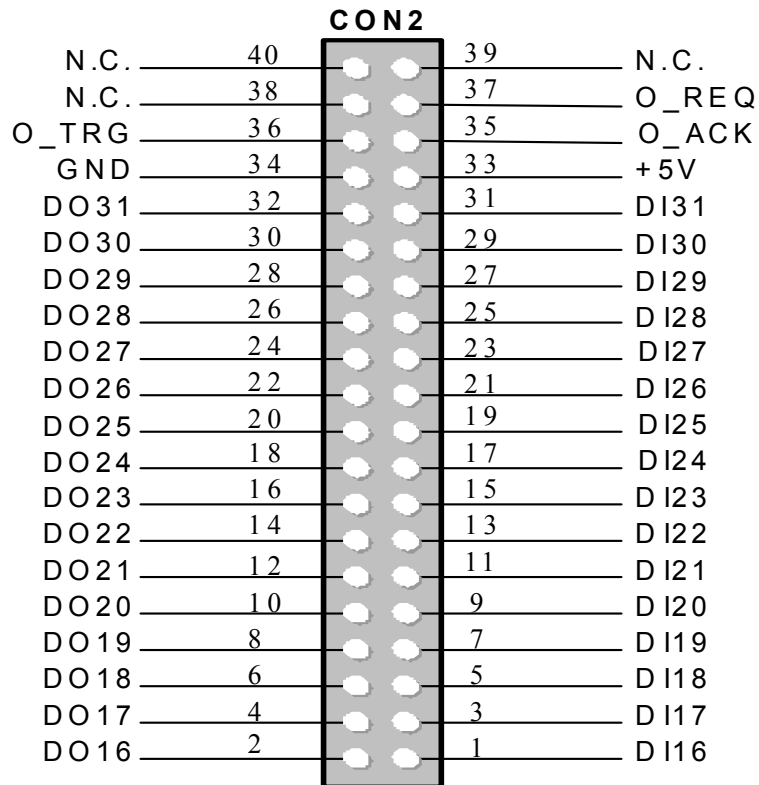
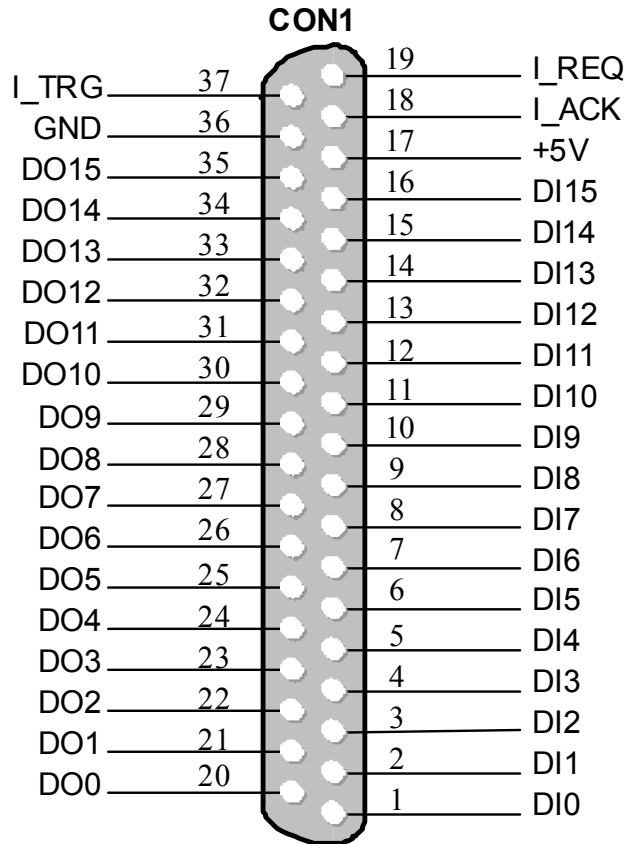
Follow these steps:

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.

4

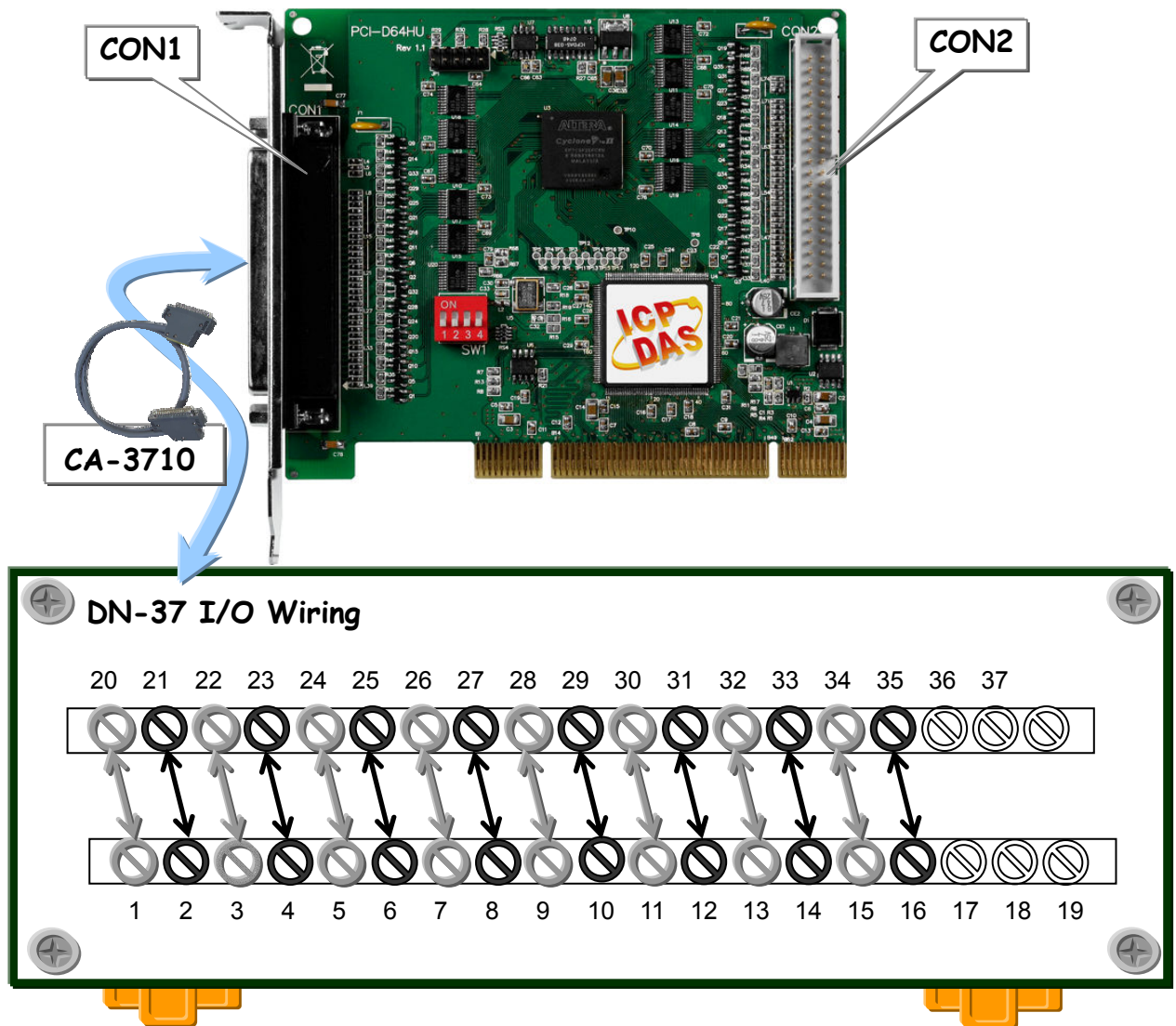
Pin Assignments



5

Self Test

1. Use the CA-3710 to connect the CON1 on board to DN-37 wiring terminal board (Optional).
2. Connect the DI (0~15) with DO (0~15).
→DI0 with DO0 ... DI15 with DO15



3. Execute the DIO sample program.

The sample program is contained in zip file which is located at:

CD:\NAPDOS\PCI\PCI-D64\DLL\Demo

4. Test DIO (0~15) function and get to test result.

※ The DI (16~31) do not connect to DO (16~31), wherefore channel 16~31 show high status (Red light).

The image displays two screenshots of the 'PCI-D64HU DIO' software interface. The first screenshot, labeled with a blue circle '1', shows the configuration screen. It features two rows of 16 channels each. The top row (channels 0-15) has black lights and checkboxes. The bottom row (channels 16-31) has red lights and checkboxes. A blue box highlights the checkboxes for channels 0, 4, 8, 12, and 15 in the top row. A speech bubble points to these checkboxes with the text: 'Click the DO for channel 0、4、8、12、15.' A blue box labeled '2' highlights the 'DO Output' button. A speech bubble points to it with the text: 'Click this button to output do.' The second screenshot, labeled with a blue circle '3', shows the same interface after execution. The top row of lights is now mixed: channels 0, 4, 8, 12, and 15 have red lights, while channels 1, 2, 3, 5, 6, 7, 9, 10, 11, 13, 14, and 15 have black lights. A speech bubble points to the red lights with the text: 'Check the DI of channel 0、4、8、12、15 are high state. (Red light)'. A blue box labeled '3' highlights the top row of lights. An orange starburst graphic at the bottom right contains the word 'Complete'.

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Additional Information

- ✓ PCI-D64HU Card product page:
http://www.icpdas.com/products/DAQ/pc_based/pci-d64hu.htm
- ✓ CN-37 wiring terminal board (Optional) page:
http://www.icpdas.com/products/DAQ/screw_terminal/dn_37.htm
- ✓ CA-3710(Optional) cable page:
http://www.icpdas.com/products/Accessories/cable/cable_selection.htm
- ✓ Documentation:
CD:\NAPDOS\PCI\PCI-D64>manual
CD:\NAPDOS\PCI>manual
<http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/pci-d64/manual/>
- ✓ Software:
CD:\NAPDOS\PCI\PCI-D64\
<http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/pci-d64/dll/>

The ICP DAS Web Site

<http://www.icpdas.com>



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