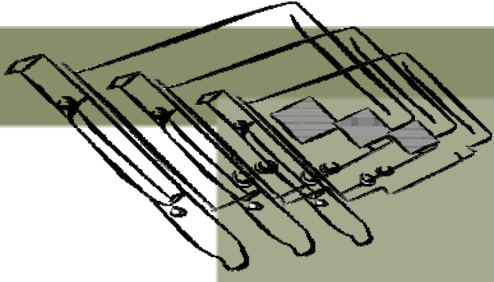


# I/O CARD QUICK START GUIDE



*for PCI-M512/M512U*

English/ August 2010/ Version 1.1

## 1

### What's in the shipping package?

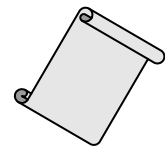
- One PCI-M512/M512U series card
- One companion PCI CD (V4.9 or later)
- One Quick Start Guide (This document)



**PCI-M512/M512U  
Series Card**



**Software Utility CD**



**Quick Start Guide**

# 2

## Installing Windows Driver

Follow these steps:

1. Setup the Windows driver. The driver is located at:

CD:\NAPDOS\PC\PCI-M512\DLL\driver

<http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/pci-m512/dll/driver/>



The Windows driver only supports Windows 98/NT/2000/ and 32-bit Windows XP/2003/Vista/7 Versions.

2. Click the "Next>" button to start the installation.
3. Click the "Next>" button to install the driver into the default folder.
4. Click the "Install" button to continue the installation.
5. Select "NO, I will restart my computer later" and then click the "Finish" button.

# 3

## Installing Hardware on PC

Follow these steps:

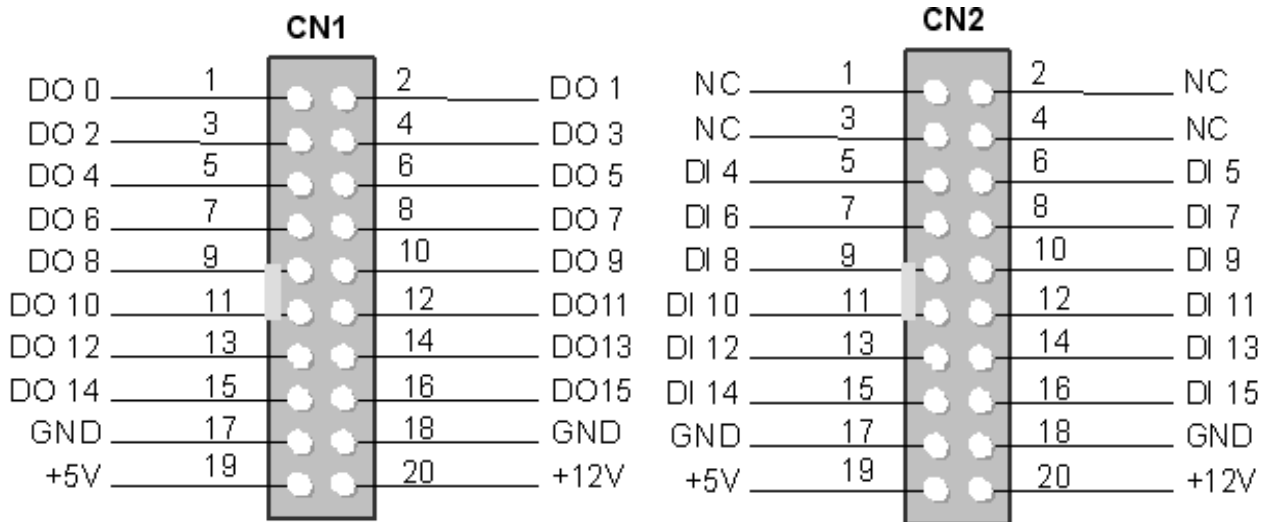
1. Shut down and power off your computer.
2. Remove the cover from the computer.
3. Select an unused PCI slot.
4. Insert your I/O card into the PCI slot carefully.
5. Replace the PC cover.
6. Power on the computer.

After powering-on the computer, please finish the Plug&Play steps according to the prompted messages.

# 4 Pin Assignments



- **CN1 Digital Output connector** (20-pin box header)
- **CN2 Digital Input connector** (20-pin box header)

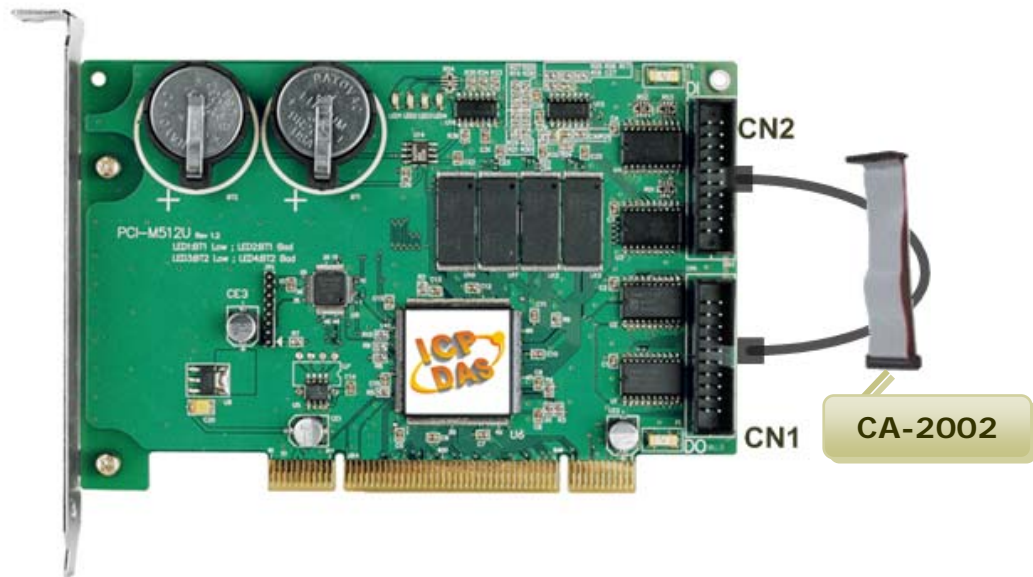


**Note:** NC= No Connection

# 5 Self Testing

## ■ DIO Test Wiring:

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



## ■ Execute the PCI-M512 sample program:

2. The sample program is contained in:

CD:\NAPDOS\PCI\PCI-M512\DLL\Demo\  
<http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/pci-m512/dll/demo/>

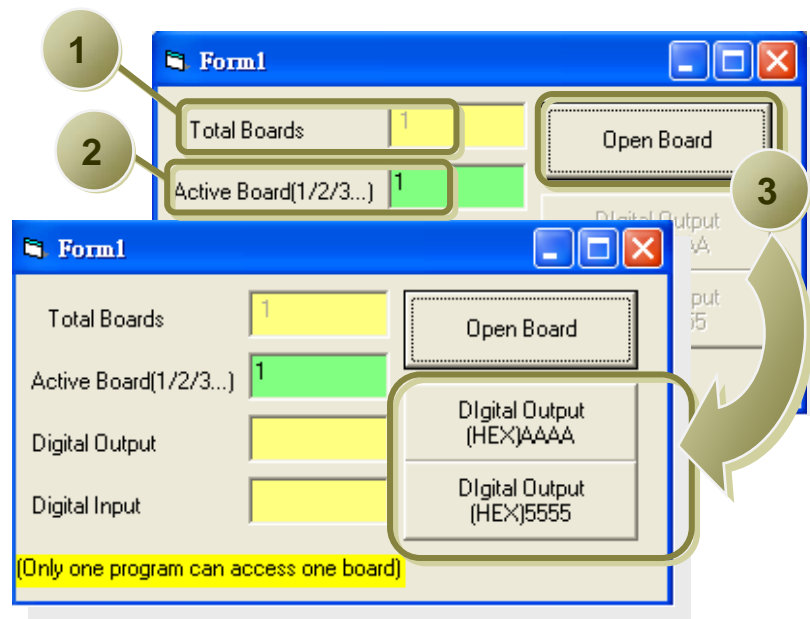
3. The following sample program is written in VB.

File: DLL\_VB\_XXXXXX.exe  
Path: ... \ DLL\_vb6\Diotest\  
Double click the "Project1.exe"



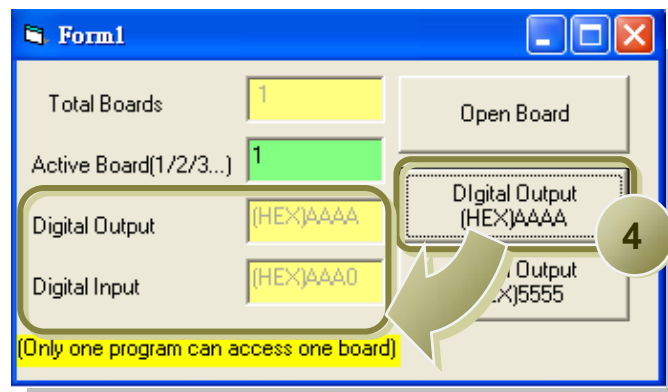
**4. Verify total numbers of the PCI-M512 card and perform DIO functions.**

- 1 Confirm the number of PCI-M512 cards installed successfully on this PC.
- 2 Select the board to activate. (It ranges form 0 to total board number subtracting one)
- 3 Click this button to start test.



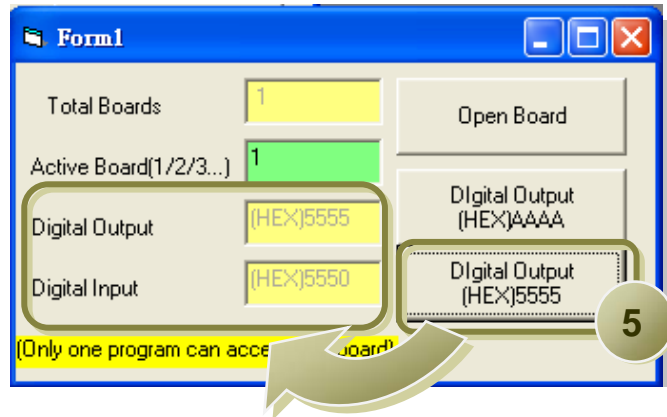
**5. Get DIO function test result.**

- 4 Click Digital Output [HEX] AAAA button to write to DO and read DI follows:



5

Click Digital Output [HEX] 5555 button to write to DO and read DI as follows:



## Related Information

- ❏ **PCI-M512/M512U Series Card product page:**  
[http://www.icpdas.com/products/DAQ/pc\\_based/pci\\_m512.htm](http://www.icpdas.com/products/DAQ/pc_based/pci_m512.htm)
- ❏ **CA-2002 product page (optional):**  
[http://www.icpdas.com/products/Accessories/cable/cable\\_selection.htm](http://www.icpdas.com/products/Accessories/cable/cable_selection.htm)
- ❏ **Documentation:**  
CD:\NAPDOS\PCI\PCI-m512\Manual  
<http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/pci-m512/manual/>
- ❏ **Software:**  
CD:\NAPDOS\PCI\PCIM512  
<http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/pcim512/index.htm>

