



I/O CARD QUICK START GUIDE

for **PCI-TMC12A**

<i>Language</i>	English
<i>Version</i>	V1.1
<i>Update</i>	Aug.2010

1 What's on your package?

- One PCI-TMC12A series card
- One companion PCI CD (V4.9 or later)
- One Quick Start Guide(This document)

2 Installing Windows Driver

Follow those steps:

1. Setup the Windows driver.




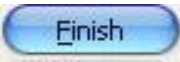
You can get the driver from:

CD:\NAPDOS\PCI\PCI-TMC12A\DLL_OCX\

<http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/pci-tmc12a/dll/ocx/>



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

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

After powering-on the computer, the Plug&Play card could work immediately.

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Pin Assignments

- CON1: 37 pin D-type female connector.

Pin Number	Description	Pin Number	Description
1	ECLK1	20	EXTG1
2	COUT1	21	ECLK2
3	EXTG2	22	COUT2
4	ECLK3	23	EXTG3
5	COUT3	24	ECLK4
6	EXTG4	25	COUT4
7	ECLK5	26	EXTG5
8	COUT5	27	ECLK6
9	EXTG6	28	COUT6
10	ECLK7	29	EXTG7
11	COUT7	30	ECLK8
12	EXTG8	31	COUT8
13	ECLK9	32	EXTG9
14	COUT9	33	ECLK10
15	EXTG10	34	COUT10
16	ECLK11	35	EXTG11
17	COUT11	36	ECLK12
18	EXTG12	37	COUT12
19	GND	XXXXXXX	This pin not available

➤ **CON2: The digital input connector.**

Pin	Name	Pin	Name
1	Digital input 0	2	Digital input 1
3	Digital input 2	4	Digital input 3
5	Digital input 4	6	Digital input 5
17	Digital input 6	8	Digital input 7
9	Digital input 8	10	Digital input 9
11	Digital input 10	12	Digital input 11
13	Digital input 12	14	Digital input 13
15	Digital input 14	16	Digital input 15
17	PCB ground	18	PCB ground
19	PCB +5V	20	PCB +12V

➤ **CON3: The digital output connector.**

Pin	Name	Pin	Name
1	Digital input 0	2	Digital input 1
3	Digital input 2	4	Digital input 3
5	Digital input 4	6	Digital input 5
17	Digital input 6	8	Digital input 7
9	Digital input 8	10	Digital input 9
11	Digital input 10	12	Digital input 11
13	Digital input 12	14	Digital input 13
15	Digital input 14	16	Digital input 15
17	PCB ground	18	PCB ground
19	PCB +5V	20	PCB +12V

The detail pin assignments information. Please refer to :

CD:\NAPDOS\PCI\PCI-TMC12A\Manual\PCI_TMC12Hardward_Manual.pdf

http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/pci-tmc12a/manual/pci_tmc12hardward_manual.pdf

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Self-Test

1. Use CA-2002(Optional) to connect the CN2 with CN3.



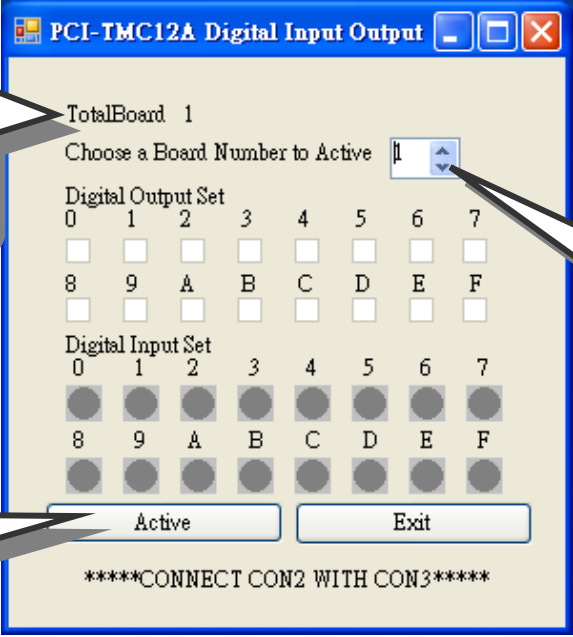
2. Run the PCI-TMC12A sample program.

Get the file from:

CD:\NAPDOS\PCI\PCI-TMC12A\DLL_OCX\Win2k\Demo\

http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/pci-tmc12a/dll_ocx/win2k/demo/

3. Check number of the PCI-TMC12A and test DIO function.

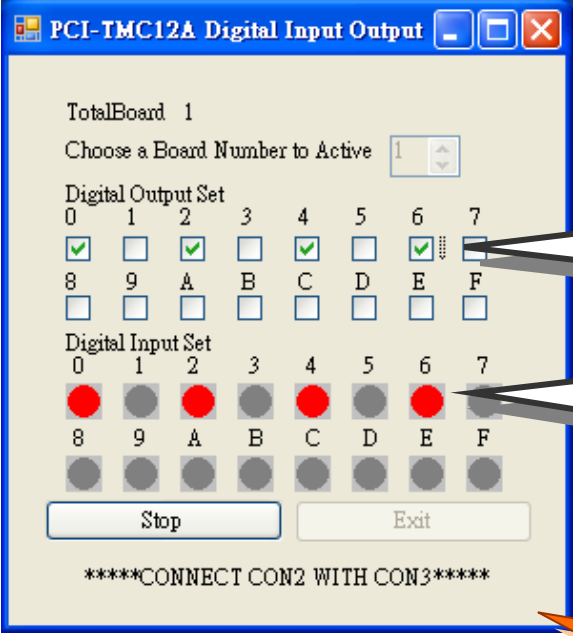


1. The one PCI-TMC12A had successfully installed to PC.

2. Select the board number for the PCI-TMC12A.

3. Click this button to do DIO test.

4. Get DIO function test result.



4. Click the channel 0, 2, 4, 6 in the DO.

5. DI show to channel 0, 2, 4, 6 for high state. (Red light)

Complete

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Additional Information

✓ **PCI-TMC12A Series Card Product page:**

http://www.icpdas.com/products/DAQ/pc_based/pci_tmc12.htm

✓ **CA-2002(Optional) page:**

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

✓ **Documents:**

CD:\NAPDOS\PCI\PCI-TMC12A\Manual

<http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/pci-tmc12a/manual/>

✓ **Software:**

CD:\NAPDOS\PCI\PCI-TMC12A

<http://www.icpdas.com/download/pci/tmc12a/index.htm>

The ICP DAS Web Site

<http://www.icpdas.com>



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

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