



I/O CARD QUICK START GUIDE

for

PCI-1202/1602/180x

語言
版本
更新日期

繁體中文
V1.0
Oct.2008

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您的產品包含那些配件？

- 一張 PCI-1202/1602/180x 系列板卡
- 一張安裝軟體光碟(V3.6 或更新版本)
- 一張快速入門指南(本文件)

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安裝 Windows 驅動程式

請依照下列步驟：

1. 執行 **Windows** 驅動程式安裝。

驅動程式位置：

PCI-1202 :

CD:\NAPDOS\PCI\PCI-1202\DLL_OCX\

http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/pci-1202/dll_ocx/

PCI-1602:




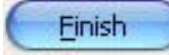
CD:\NAPDOS\PCI\PCI-1602\DLL_OCX\

http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/pci-1602/dll_ocx/

PCI-180x:

CD:\NAPDOS\PCI\PCI-180x\DLL_OCX\

http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/pci-180x/dll_ocx/

2. 按  按鈕並開始安裝。
3. 按  按鈕並選擇安裝路徑。
4. 按  按鈕繼續安裝程序。
5. 選擇 **“NO, I will restart my computer later”** 並且按  按鈕。



Windows 驅動程式只支援 windows 98/NT/2000 及 XP/2003/Vista 32-bit 版本

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安裝硬體裝置

請依照下列步驟:

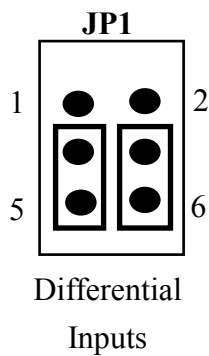
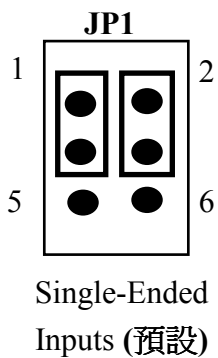
1. 關掉電腦電源
2. 打開電腦機殼
3. 選擇未使用的 PCI 插槽，並移除保護裝置
4. 小心插入板卡至 PCI 插槽中，並以螺絲固定住
5. 裝回電腦機殼
6. 啓動電腦電源

在啓動電腦，進入 **Windows** 後，**Plug&Play** 驅動程式會自動執行，板卡即可使用。

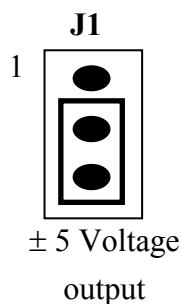
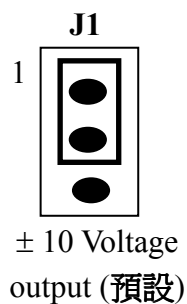
4

跳接器設定

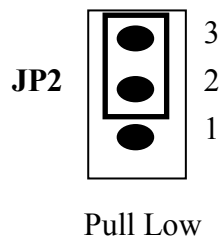
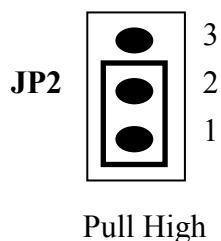
- JP1 : A/D 輸入類型選擇。



- J1 : D/A 電壓選擇。



- D/I Port 設定 (PCI-1202HU/LU 僅有的)



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腳位定義

- CON1: Digital Output 接頭。

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

- CON2: Digital Input 接頭。

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
7	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

➤ CN3: Single-Ended/Differential Input.

(PCI-1202/1602/1802H/L/HU/LU)

Pin	Name	Pin	Name
1	Analog input 0/0+	20	Analog input 16/0-
2	Analog input 1/1+	21	Analog input 17/1-
3	Analog input 2/2+	22	Analog input 18/2-
4	Analog input 3/3+	23	Analog input 19/3-
5	Analog input 4/4+	24	Analog input 20/4-
6	Analog input 5/5+	25	Analog input 21/5-
7	Analog input 6/6+	26	Analog input 22/6-
8	Analog input 7/7+	27	Analog input 23/7-
9	Analog input 8/8+	28	Analog input 24/8-
10	Analog input 9/9+	29	Analog input 25/9-
11	Analog input 10/10+	30	Analog input 26/10-
12	Analog input 11/11+	31	Analog input 27/11-
13	Analog input 12/12+	32	Analog input 28/12-
14	Analog input 13/13+	33	Analog input 29/13-
15	Analog input 14/14+	34	Analog input 30/14-
16	Analog input 15/15+	35	Analog input 31/15-
17	Analog ground	36	Analog output 1
18	Analog output 0	37	Digital ground
19	External trigger		

(PCI-1800H/L)

Pin	Name	Pin	Name
1	Analog input 0/0+	20	Analog input 8/0-
2	Analog input 1/1+	21	Analog input 9/1-
3	Analog input 2/2+	22	Analog input 10/2-
4	Analog input 3/3+	23	Analog input 11/3-
5	Analog input 4/4+	24	Analog input 12/4-
6	Analog input 5/5+	25	Analog input 13/5-
7	Analog input 6/6+	26	Analog input 14/6-
8	Analog input 7/7+	27	Analog input 15/7-
9	Analog Ground	28	Analog Ground
10	Analog Ground	29	Analog Ground
11	N.C.	30	Analog output 0
12	N.C.	31	N.C.
13	PCB +12V	32	Analog output 1
14	Analog Ground	33	N.C.
15	Digital Ground	34	N.C.
16	N.C.	35	N.C.
17	External Trigger	36	N.C.
18	N.C.	37	N.C.
19	PCB +5V		

更詳細的“腳位定義”資訊。請參考:

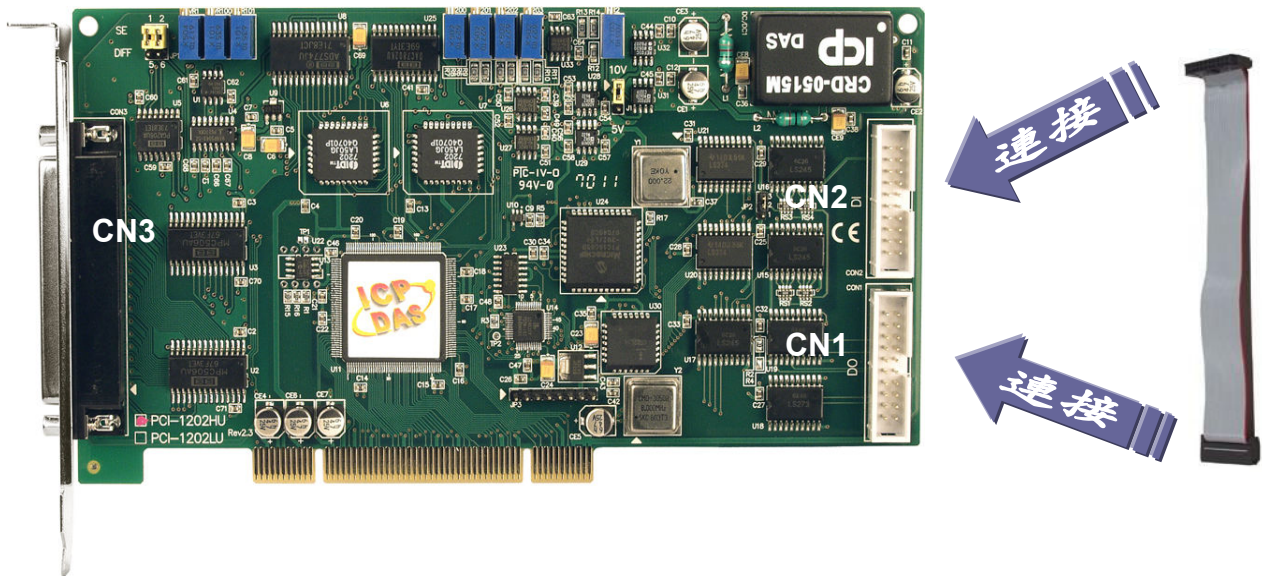
CD:\NAPDOS\PCI\PCI-1202/Manual/PCI-1202_1602_180x_hardware_manual.pdf

http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/pci-1202/manual/pci-1202_1602_180x_hardware_manual.pdf

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自我測試

1. 使用 CA-2002(選購) 將 CN1 連接至 CN2 。



2. 執行 PCI-1202/1602/180x 範例程式。

程式路徑：

PCI-1202:

CD:\NAPDOS\PCI\PCI-1202\DLL_OCX\Demo\

http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/pci-1202/dll_ocx/demo/

PCI-1602:

CD:\NAPDOS\PCI\PCI-1602\DLL_OCX\Demo\

http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/pci-1602/dll_ocx/demo/

PCI-180x:

CD:\NAPDOS\PCI\PCI-180x\DLL_OCX\Demo\

http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/pci-180x/dll_ocx/demo/

3. 確認板卡數量和 DIO 測試。

The screenshot shows the 'Digital I/O' software window. At the top, there are two dropdown menus: 'Total Board' set to '1' and 'Active Board' set to '0'. To the right of these is a green 'Active' button and a grey 'Exit' button. Below the dropdowns are two 8x2 grids of buttons for 'Digital Output' and 'Digital Input'. The 'Digital Output' grid has buttons labeled 0-7 and 8-7 (A-F). The 'Digital Input' grid has buttons labeled 0-7 and 8-7 (A-F). On the right side, there are two text boxes: 'Input Value (HEX)' and 'Output Value (HEX)'. Three callout boxes provide instructions:

- 1. 一張 PCI-1202/1602 /180x 板卡已成功安裝至電腦上。
- 2. 選擇欲使用 PCI-1202/1602/180x 數字 0 為第一張。
- 3. 按下按鈕，開始 DIO 測試。

4. DIO 功能測試。

The screenshot shows the 'Digital I/O' software window after a test. The 'Total Board' dropdown is still '1', but the 'Active Board' dropdown is now '1'. The 'Active' button is now greyed out and labeled 'STOP', and the 'Exit' button is still greyed out. The 'Digital Output' grid shows buttons 0, 2, 4, and 6 are lit red, while buttons 1, 3, 5, and 7 are grey. The 'Digital Input' grid shows buttons 0, 2, 4, and 6 are lit red, while buttons 1, 3, 5, and 7 are grey. The 'Input Value (HEX)' and 'Output Value (HEX)' boxes both display '55'. Two callout boxes provide instructions:

- 4. 點選 DO 裡的 channel 0、2、4、6。
- 5. DI 顯示 channel 0、2、4、6 為 high 的狀態。(亮紅燈)



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參考資訊

- ✓ **PCI-1202/1602/180x** 系列板卡產品網頁:

http://www.icpdas.com/products/DAQ/pc_based/pci_1202.htm

http://www.icpdas.com/products/DAQ/pc_based/pci_1602.htm

http://www.icpdas.com/products/DAQ/pc_based/pci_1800.htm

- ✓ **CA-2002(選購品)**網頁:

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

- ✓ **相關文件位置:**

CD:\NAPDOS\PCI\PCI-1202\Manual (PCI-1602, PCI-180x)

<http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/pci-1202/manual/>

(PCI-1602, PCI-180x)

- ✓ **相關軟體位置:**

CD:\NAPDOS\PCI\PCI-1202 (PCI-1602, PCI-180x)

<http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/pci-1202/>

(PCI-1602, PCI-180x)

泓格科技(ICP DAS)主網頁

<http://www.icpdas.com>



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- 代理商及訂購資訊
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- 常見問題
- 應用案例

聯絡方式

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