PCI-82x Series Quick Start

v1.1, Feb. 2025

Packing List

In addition to this guide, the package includes the following items:

PCI-82x Series

Technical Support

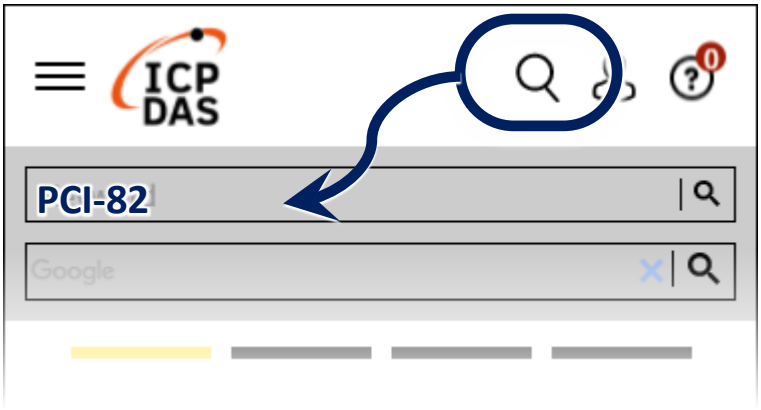
service@icpdas.com

www.icpdas.com

Resources

How to search for drivers, manuals and spec information on ICP DAS website.

- For Mobile Web



- For Desktop Web

Related Information

For more detailed information related to the software manual, hardware manual, PCI-82x series Driver & SDK and sample program:

http://www.icpdas.com/en/download/index.php?model=PCI-822LU

1 Installing Windows Driver

1) Download or locate the Windows driver.

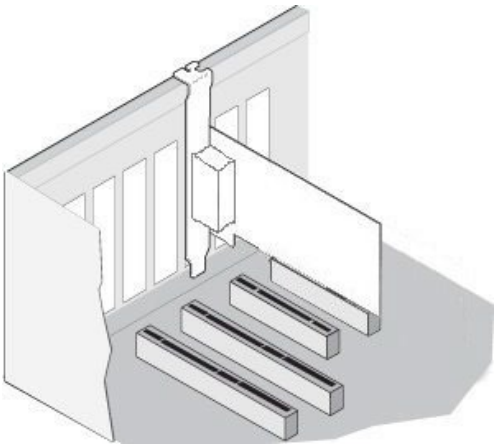
☑ The UniDAQ **driver** supports 32-/64-bit Windows 10/11, which can be found in the
https://www.icpdas.com/en/download/index.php?kw=UniDAQ

2) Click the **"Next>"** button to start the installation.
3) Check your DAQ Card is or not on supported list, then click the **"Next>"** button.
4) Select the installed folder, the default path is **C:\ICPDAS\UniDAQ**, confirm and click the **"Next>"** button.
5) Check your DAQ Card on list, then click the **"Next>"** button.
6) Click the **"Next>"** button on the Select Additional Tasks window.
7) Click the **"Next>"** button on the Download Information window.
8) Select **"No, I will restart my computer later"** and then click the **"Finish"** button.

NOTE:

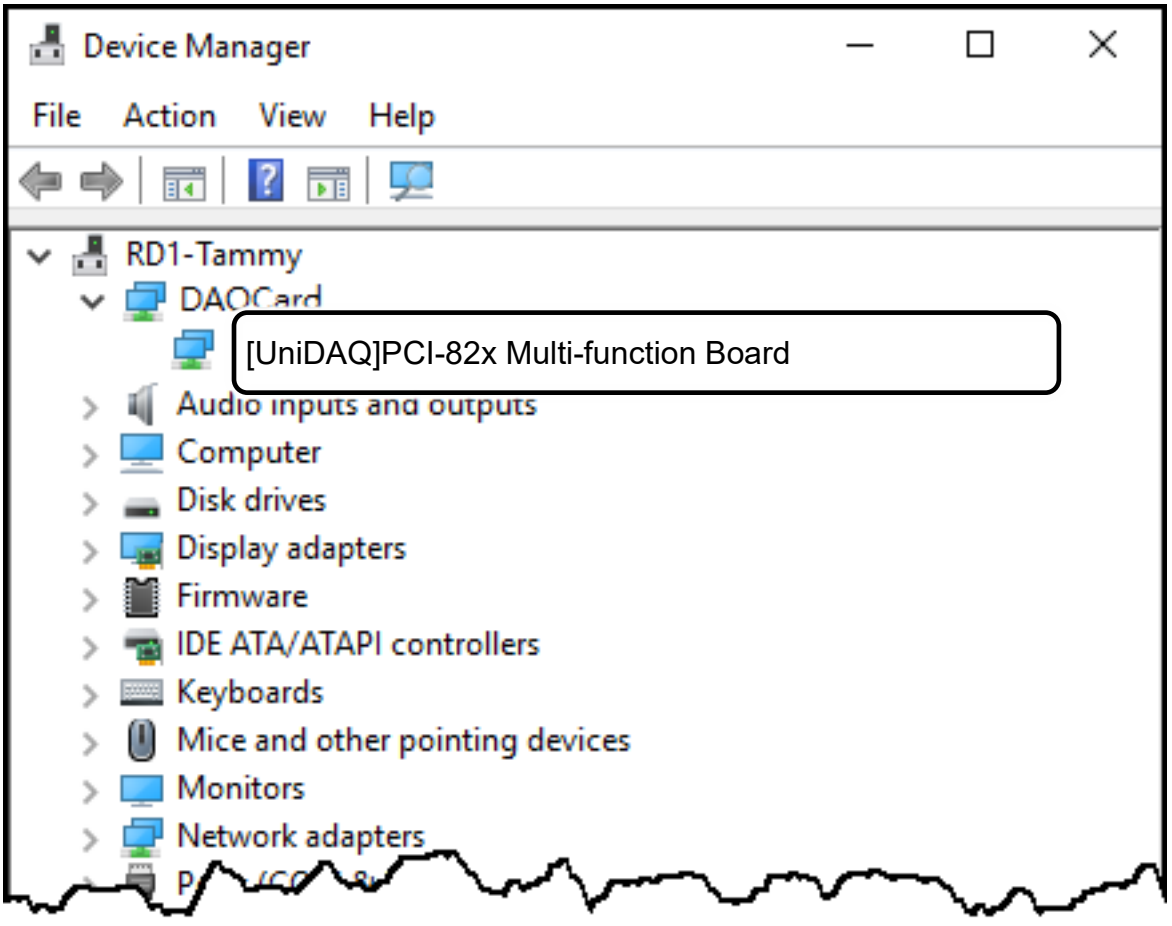
For more detailed information related to driver installation, refer to Chapter 4 "Starting" in the PCI-82x series user manual.

2 Installing Hardware on PC

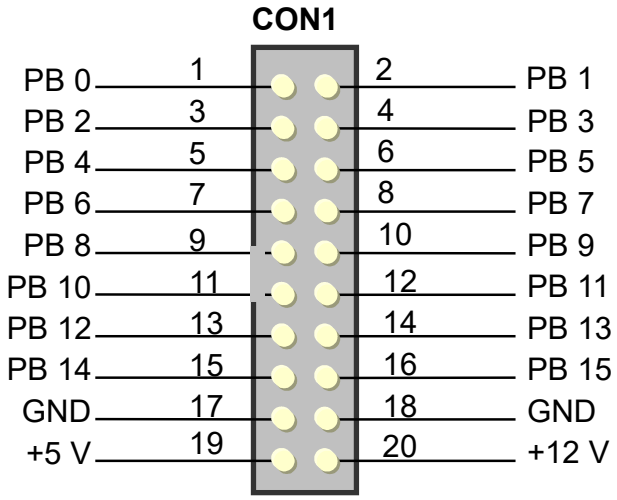


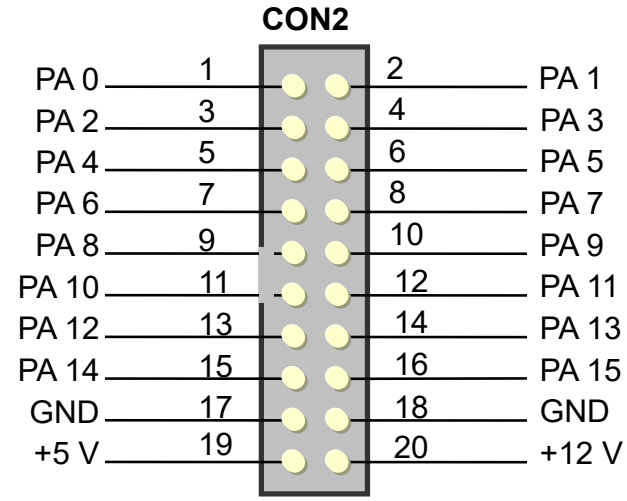
1) Power off the Computer.
2) Remove all covers from the Computer.
3) Select an unused PCI /PCI Express slot.
4) Carefully insert the Card into PCI/PCI Express slot.
5) Replace the Computer Covers.
6) Power on the Computer.
7) The operating system will automatically detect the new hardware and install the necessary drivers after reboot the PC.

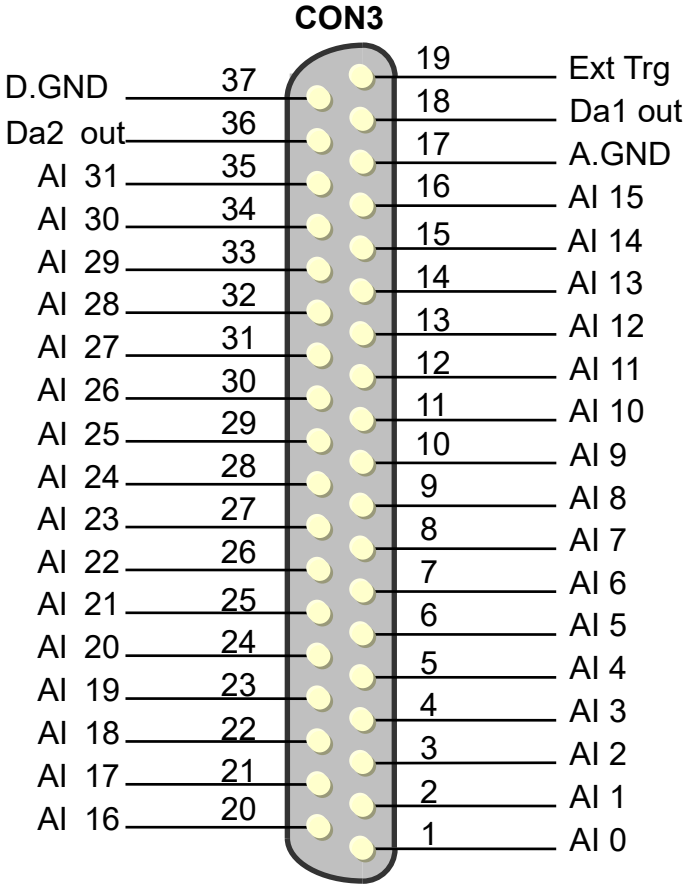
8) Open the **"Device Manager"** to verify that the PCI-82x Card has been correctly installed and is in the Device Manager, as illustrated on below.



3 Pin Assignments

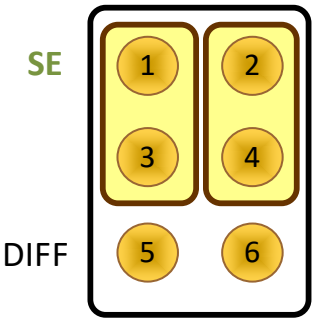
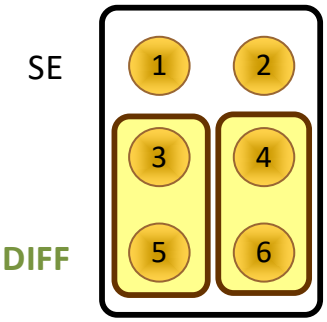






4 Jumper Setting

Set JP1 to SE mode for 5.Testing Board

Jumper	Single-ended Input (Default)	Differential Input
JP1		

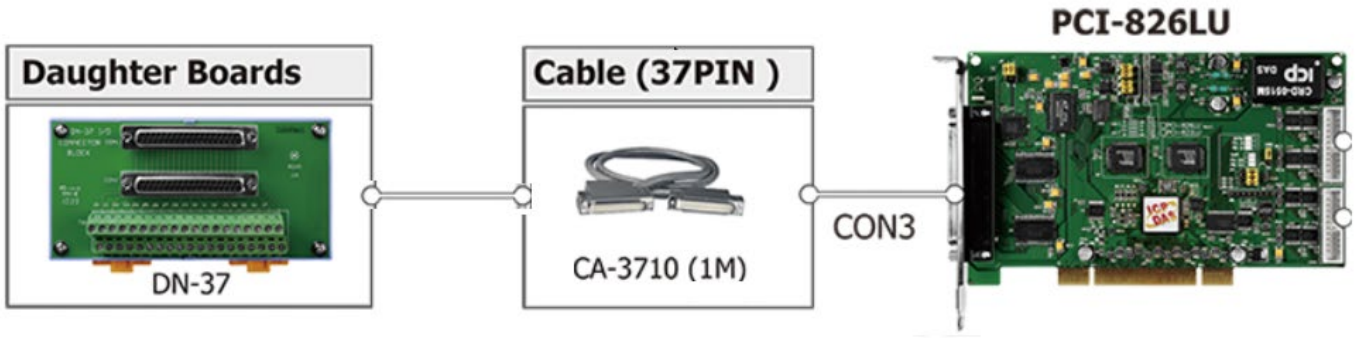
5 Testing Board

➢ **Prepare for device**

☑ CA-3710 (optional) cable

☑ DN-37 (optional) daughter board

1) Connect the **CON3** to DN-37 board using the **CA-3710** cable.

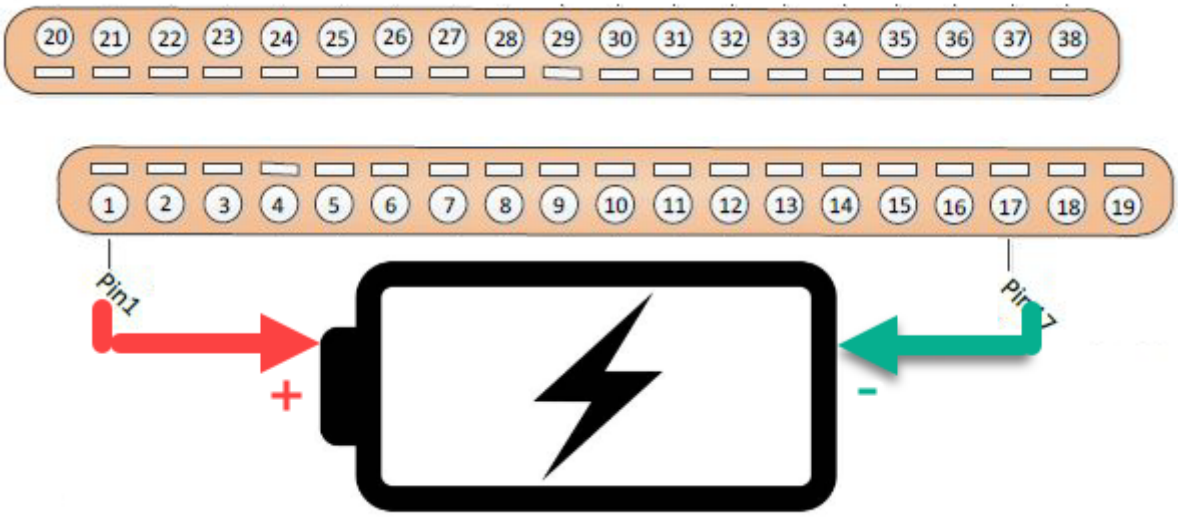


2) AI functional test and wiring

Connect the signal **battery** to AI channel 0, and connect the signals as follows.

Connect the **AI_GND pin (Pin17)** to **battery(-)** on the terminal board

Connect the **AI0 pin (Pin1) to battery(+)** on the terminal board.



3) Launch the UniDAQ Utility program, it was installed in the default folder, it will be located at **“C:\ICPDAS\UniDAQ\Driver”**.

4) Click the **“TEST”** button to start the test.
❶ Click the ”Analog Input” item than click **“SINGLE”** button to get values. Check the voltage is or not equal battery.