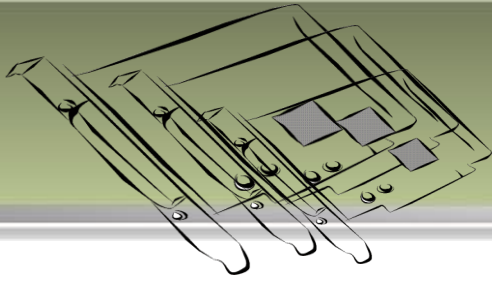


I/O CARD QUICK START GUIDE

For PIO-D64U

English/ Jun. 2013/ Version 1.1



1

What's in the shipping package?

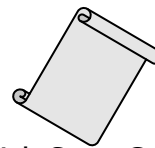
The package includes the following items:



PIO-D64U



Software Utility CD
(V5.2 or later)



Quick Start Guide
(This Document)

2

Installing Windows Driver

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

- The UniDAQ driver supports 32-/64-bit Windows 2K/XP/2003/Vista/7/8; it is recommended to install this driver for new user:
CD: \NAPDOS\PCI\UniDAQ\DLL\Driver
<http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/unidaq/dll/driver/>
- The PIO-DIO driver supports Windows 98/NT/2K and 32-bit XP/ 2003/ Vista/7/8. Recommended to install this driver for have been used PIO-DIO series boards of regular user, please refer to :
<http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/pio-dio/manual/quickstart/classic/>

Step 2: Click the "**N**ext>" button to start the installation.

Step 3: Check your DAQ Card is or not on supported list, then click the "**N**ext>" button.

Step 4: Select the installed folder, the default path is C:\ICPDAS\UniDAQ , confirm and click the "**N**ext>" button.

Step 5: Check your DAQ Card on list, then click the "**N**ext>" button.

Step 6: Click the "**N**ext>" button on the **Select Additional Tasks** window.

Step 7: Click the "**N**ext>" button on the **Download Information** window.

Step 8: Select "**No, I will restart my computer later**" and then click the "**F**inish" button.

For detailed information about the driver installation, please refer to Chapter 2.1 "Getting the UniDAQ Driver DLL Installer package" of the UniDAQ SDK user manual.

3 Installing Hardware on PC

Step 1: Shut down and power off your computer.

Step 2: Remove the cover from the computer.

Step 3: Select an unused PCI slot.

Step 4: Carefully insert your I/O card into the PCI slot.

Step 5: Replace the PC cover.

Step 6: Power on the computer.

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

4 Pin Assignments

Pin Assignment	Terminal No.	Pin Assignment
DO 0	01	DO 1
DO 2	03	DO 3
DO 4	05	DO 5
DO 6	07	DO 7
DO 8	09	DO 9
DO 10	10	DO 11
DO 12	12	DO 13
DO 14	14	DO 15
GND	16	GND
+5V	18	+12V

CN1

Pin Assignment	Terminal No.	Pin Assignment
DI 0	01	DI 1
DI 2	03	DI 3
DI 4	05	DI 5
DI 6	07	DI 7
DI 8	09	DI 9
DI 10	11	DI 11
DI 12	13	DI 13
DI 14	15	DI 15
GND	17	GND
+5V	19	STROBE1

CN2

Pin Assignment	Terminal No.	Pin Assignment
DO 16	01	DO 17
DO 18	03	DO 19
DO 20	05	DO 21
DO 22	07	DO 23
DO 24	09	DO 25
DO 26	10	DO 27
DO 28	12	DO 29
DO 30	14	DO 31
GND	16	GND
+5V	18	+12V

CN3

Pin Assignment	Terminal No.	Pin Assignment
DI 16	01	DI 17
DI 18	03	DI 19
DI 20	05	DI 21
DI 22	07	DI 23
DI 24	09	DI 25
DI 26	11	DI 27
DI 28	13	DI 29
DI 30	15	DI 31
GND	17	GND
+5V	19	STROBE2

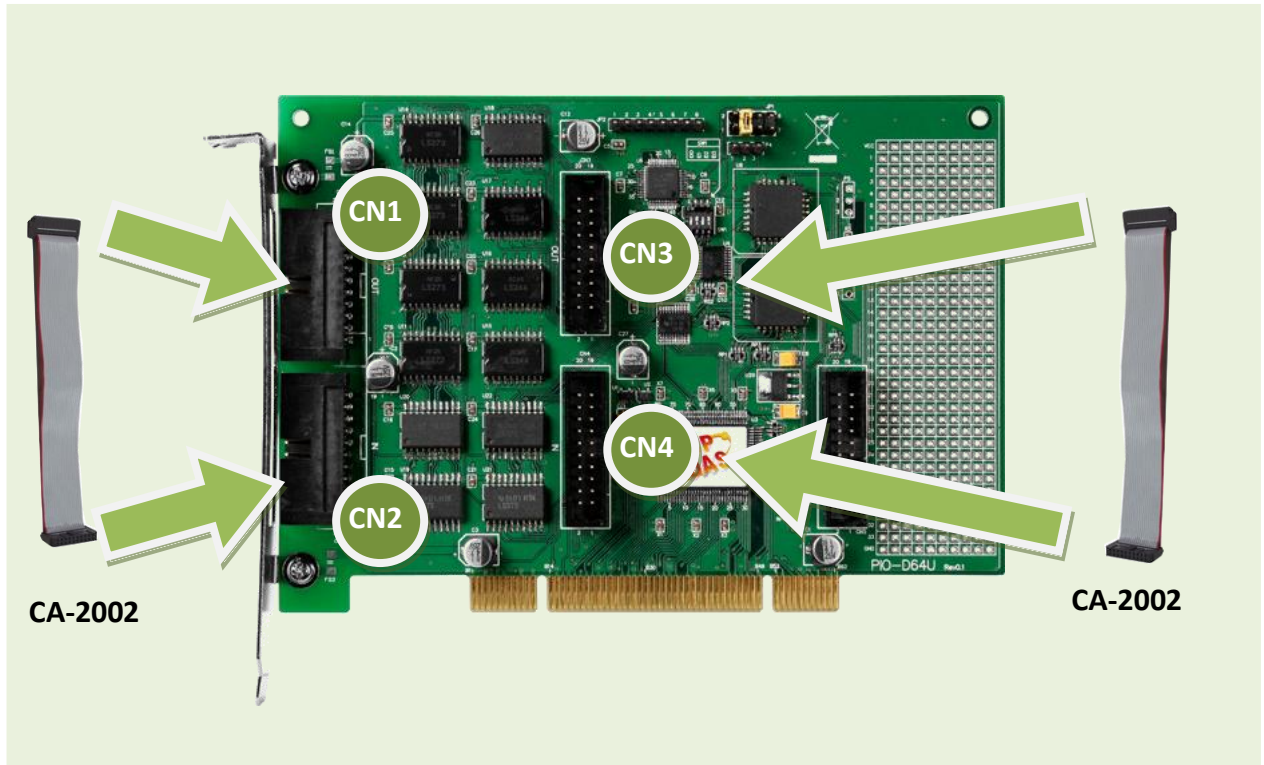
CN4

Pin Assignment	Terminal No.	Pin Assignment
CLK 2	01	CLK 1
OUT 2	03	OUT 1
GATE 2	05	GATE 1
CLK 3	07	CLK 0
OUT 3	09	OUT 0
GATE 3	10	GATE 0
GATE 4	12	CLK 4
	14	OUT 4
GND	16	GND
+5V	18	

CN5

5 Self-Test

1. Use the CA-2002 (optional) to connect the CN1 with CN2.
2. Use the CA-2002 (optional) to connect the CN3 with CN4.



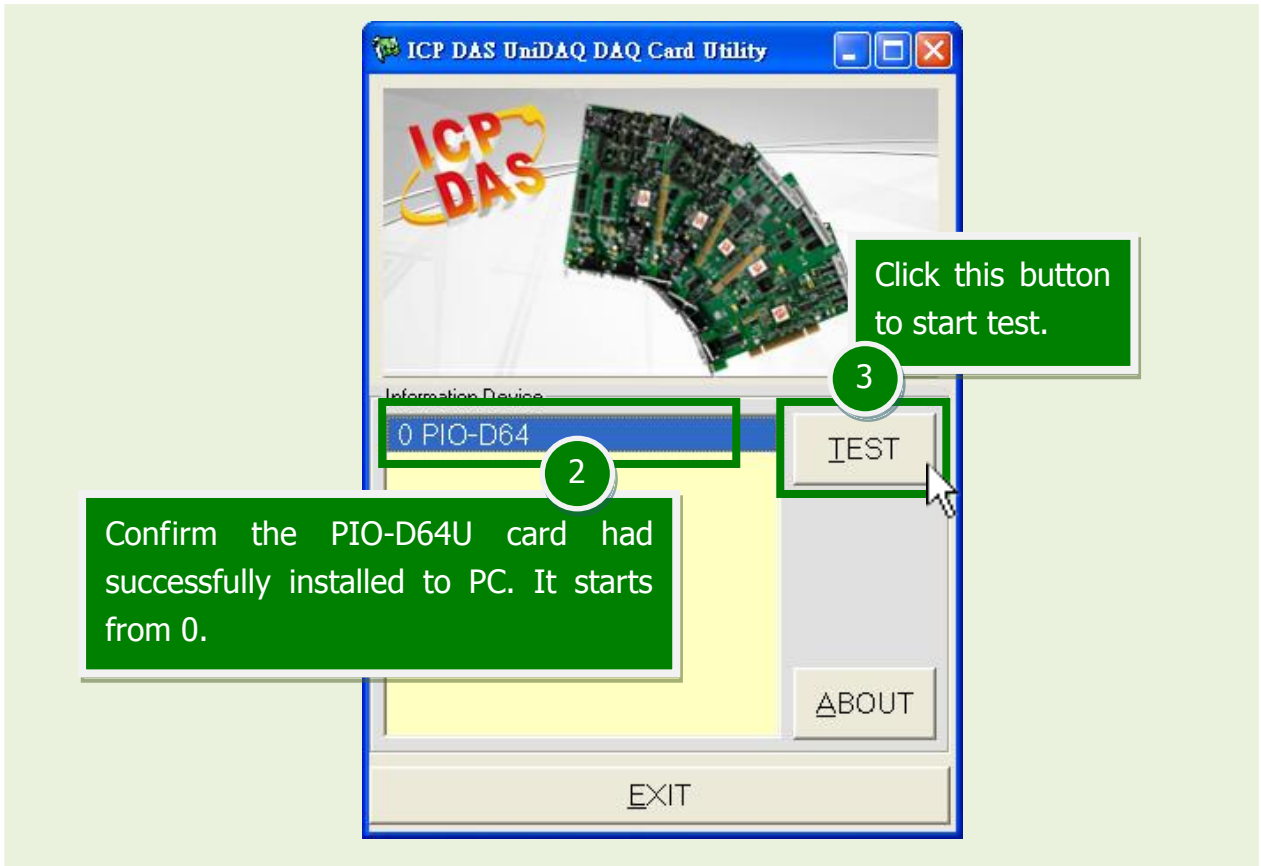
3. The UniDAQ Utility.exe is located in:

This program (UniDAQ Utility) will be placed in the default path after completing installation.

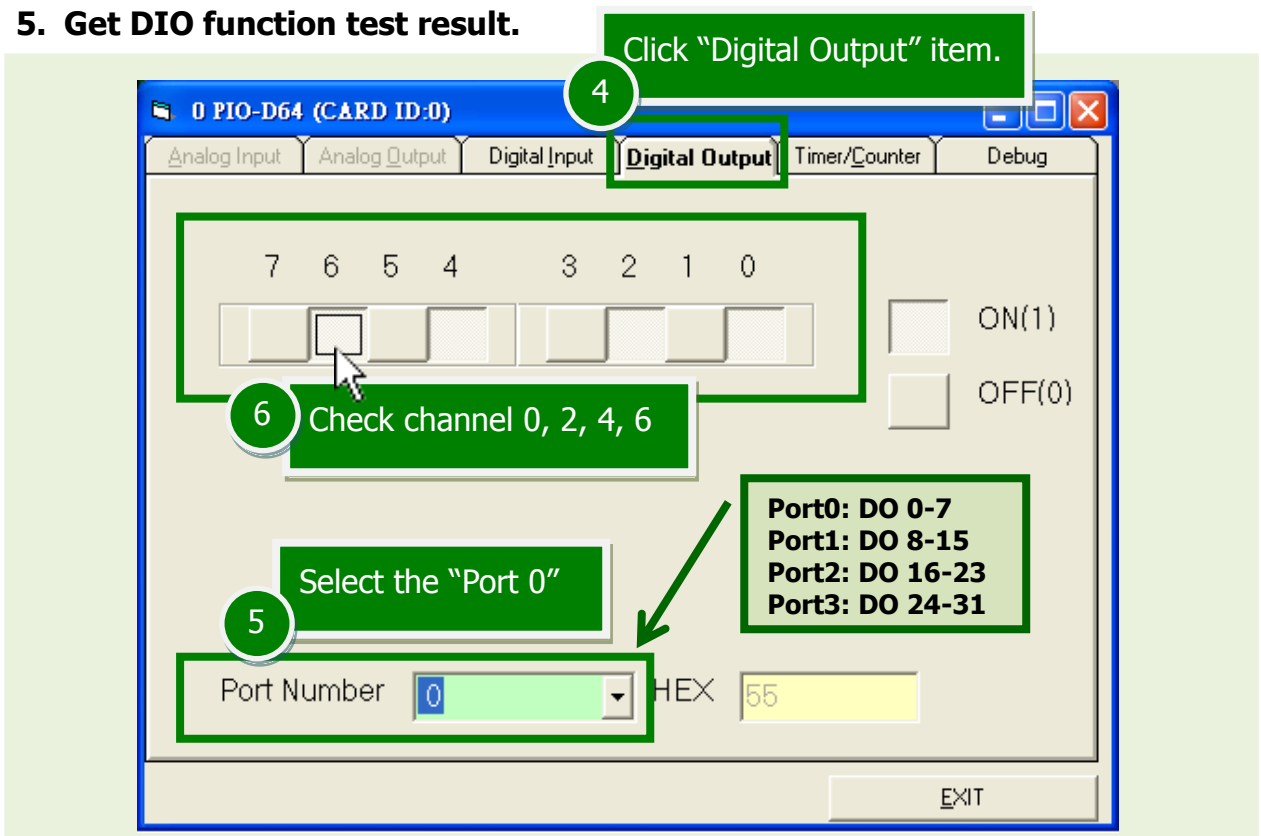
Default Path: C:\ICPDAS\UniDAQ\Driver\
Double click the "UniDAQUtility.exe"

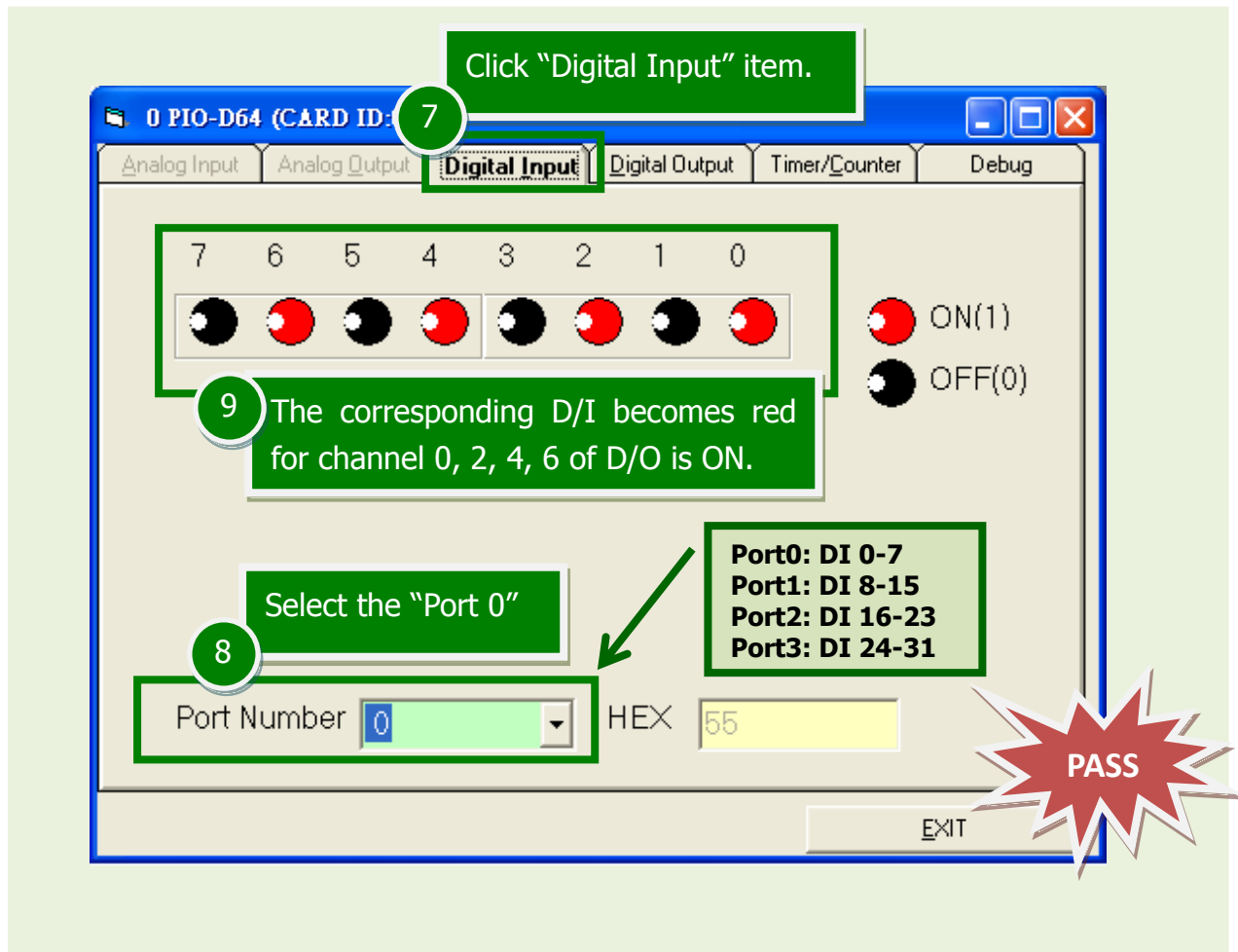


4. Execute the UniDAQ Utility Program.



5. Get DIO function test result.





6 Related Information

- PIO-D64U Series Card Product Page:
http://www.icpdas.com/root/product/solutions/pc_based_io_board/pci/pio-d64.html
- CA-2002 page (optional):
http://www.icpdas.com/products/Accessories/cable/cable_selection.htm
- Documentation and Software:
 CD:\NAPDOS\PCI\UniDAQ\
<http://ftp.icpdas.com/pub/cd/iocard/pci/napdos/pci/unidaq/>