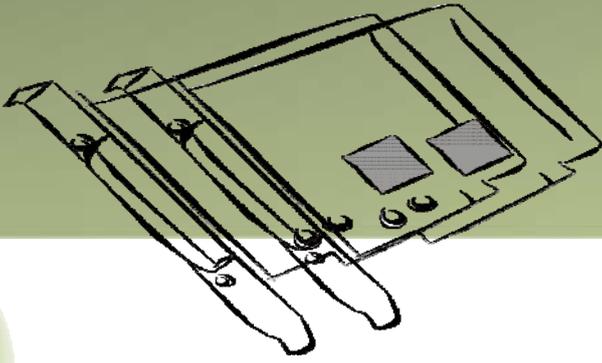


CAN CARD QUICK START

For PISO-CM200U series

English/Oct. 2016/Version 1.0



1 Check the Supplied Items

The shipping package includes the following items:



PISO-CM200U-D
or
PISO-CM200U-T



Software Utility CD



Quick Start Guide
(This Document)

2

Installing the Windows Driver

The PISO-CM200U driver supports 32/64-bit versions of Windows XP/7/8.1/10. The driver installation package for PISO-CM200U board can be found on the companion CD-ROM, or can be obtained from the ICP DAS FTP web site. The driver is located at:

CD: \can\pci\piso-cm200u\driver\windows

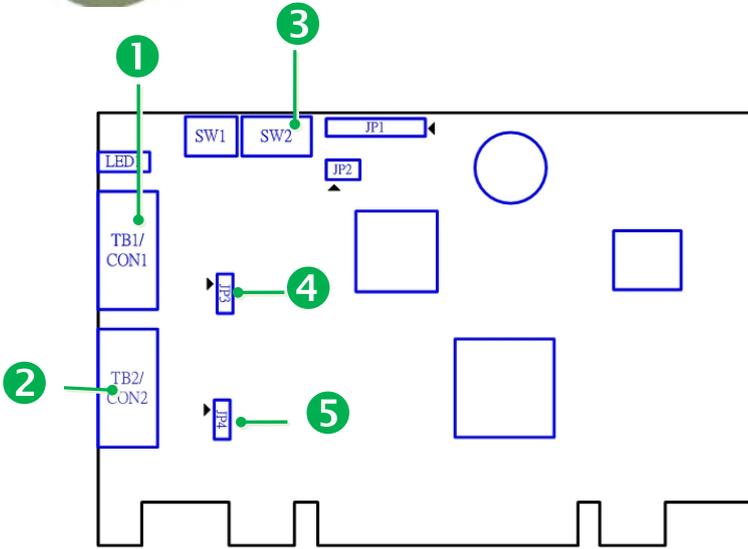
http://ftp.icpdas.com/pub/cd/fieldbus_cd/can/pci/piso-cm200u/driver/windows

To install the PISO-CM200U driver, follow the procedure described below.

- Step 1:** Double-click the **PISO-CM200_Setup_xxx.exe** icon to begin the installation process.
- Step 2:** When the “Welcome to the PISO-CM200 Setup Wizard” screen is displayed, click the “**N**ext>” button to start the installation.
- Step 3:** On the “Select Destination Location” screen, click the “**N**ext>” button to install the software in the default folder, **C:\ICPDAS\PISO-CM200**.
- Step 4:** On the “Select Start Menu Folder” screen, click the “**N**ext>” button to install the software in the default Start Menu folder, **ICPDAS\PISO-CM200**.
- Step 5:** On the “Ready to Install” screen, click the “**I**nstall” button.
- Step 6:** Once the installation has completed, click “**N**o, I will restart my computer later”, and then click the “**F**inish” button.

Note: For detailed information about the driver installation, refer to Chapter 2.1 “Install the Driver” of the PISO-CM200U User Manual.

3 Board Layout



Note: For more details regarding the Card ID and Jumper settings, refer to the PISO-CM200U User Manual.

1. **TB1 or CON1 Connector**
(See Section 6 Pin Assignments)
2. **TB2 or CON2 Connector**
(See Section 6 Pin Assignments)
3. **SW2: Card ID Switch**
(The default setting is 0x1.)
4. **JP3: CAN Port1 Terminator Resistor Enable/Disable Settings**
(The default setting is enabled.)
5. **JP4: CAN Port2 Terminator Resistor Enable/Disable Settings**
(The default setting is enabled.)

4 Dip switch SW2 Settings

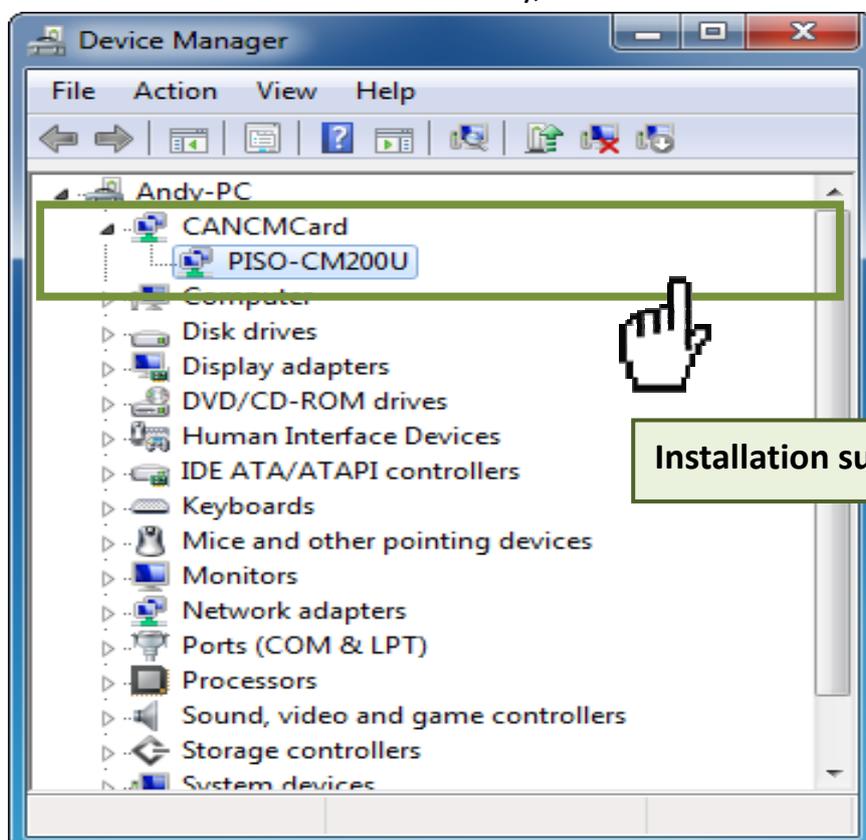
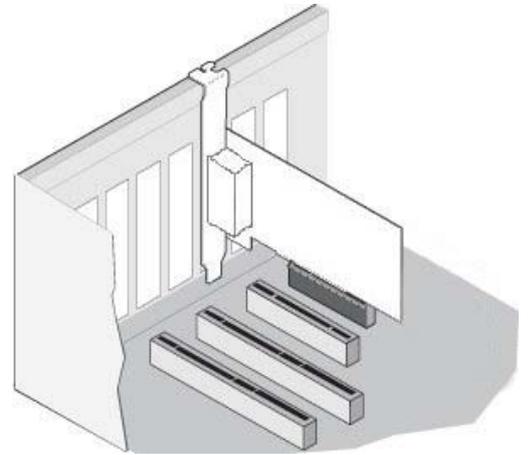
Dip switch SW2 is used to configure the board ID. Please make sure SW2 switch set to “1 is in ON position and others in OFF position” before self-test, as follows:

Dip switch	Dip Switch setting (Default)
SW2	<p style="text-align: center;">DIP switch</p> <p style="text-align: center;">This situation indicates the board No. 1.</p>

Refer to PISO-CM200U User Manual for more detail information.

5 Installing the Hardware

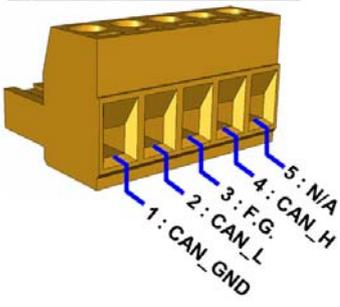
- Step 1:** Shut down and power off the computer.
- Step 2:** Remove all the covers from the computer.
- Step 3:** Select an unused PCI slot.
- Step 4:** Carefully insert the PISO-CM200U board into the PCI slot and secure the board in place.
- Step 5:** Replace the covers on the computer.
- Step 6:** Reconnect the power supply and power on the computer.
- Step 7:** Once the computer reboots, follow any messages that may be displayed to complete the Plug and Play installation procedure.
- Step 8:** Open the “**Device Manager**” in the Control Panel and verify that the PISO-CM200U board is listed correctly, as illustrated below.



6

Pin Assignments

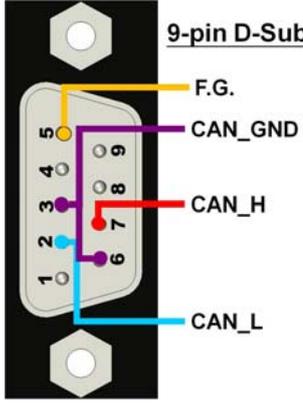
Pin Assignment of 5-pin screw terminal connector		
Pin No	Name	Description
1	CAN_GND	CAN_Gnd, signal line of CAN port.
2	CAN_L	CAN_Low, signal line of CAN port.
3	F.G.	Frame Ground.
4	CAN_H	CAN_High, signal line of CAN port.
5	N/A	No used



5-pin screw terminal block

5 : N/A
4 : CAN_H
3 : F.G.
2 : CAN_L
1 : CAN_GND

Pin Assignment of 9-pin D-Sub male connector		
Pin No	Name	Description
1	N/A	No used
2	CAN_L	CAN_Low, signal line of CAN port.
3	CAN_GND	CAN_Gnd, signal line of CAN port.
4	N/A	No used
5	F.G.	Frame Ground.
6	CAN_GND	CAN_Gnd, signal line of CAN port.
7	CAN_H	CAN_High, signal line of CAN port.
8	N/A	No used
9	N/A	No used



9-pin D-Sub male connector

F.G.
CAN_GND
CAN_H
CAN_L

7 Self-Test

➤ **Wiring for the CAN Port1/Port2 Test:**

Step 1: Connect the **CON1** to **CON2** (for PISO-CM200U-D) or **TB1** to **TB2** (for PISO-CM200U-T) on the PISO-CM200U board.

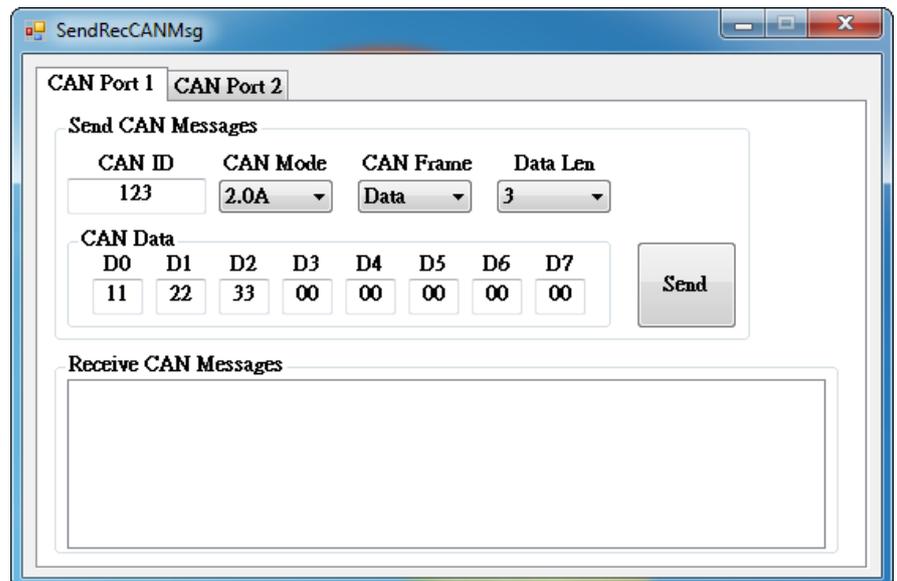


➤ **Execute the SendRecCANMsg Demo Program:**

Step 2: Confirm that the PISO-CM200UU board has been successfully installed in the Host system.

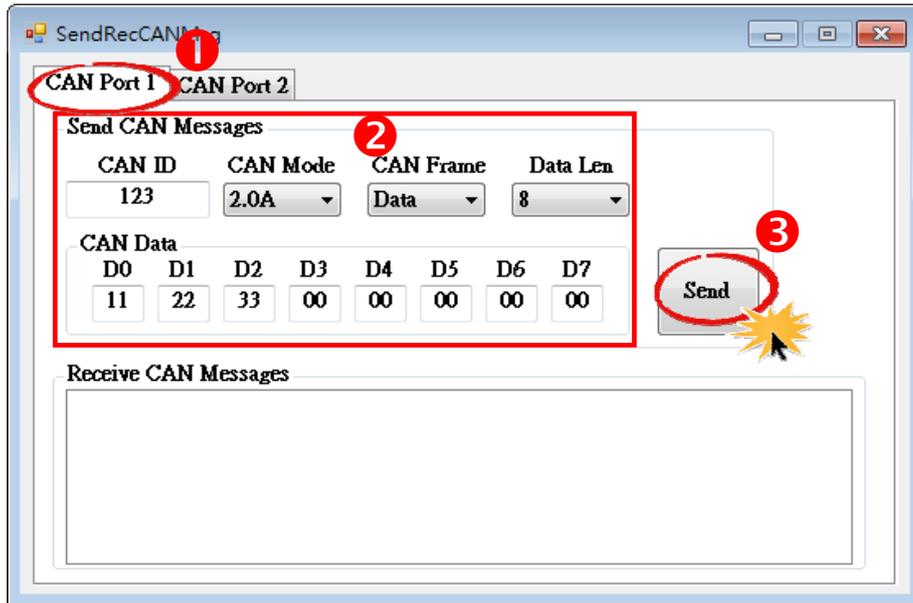
Step 3: The demo program could be found on

“C:\ICPDAS\PISO-CM200\Demo\C#.Net\SendRecCANMsg\SendRecCANMsg\bin\x86\Release\SendRecCANMsg.exe”



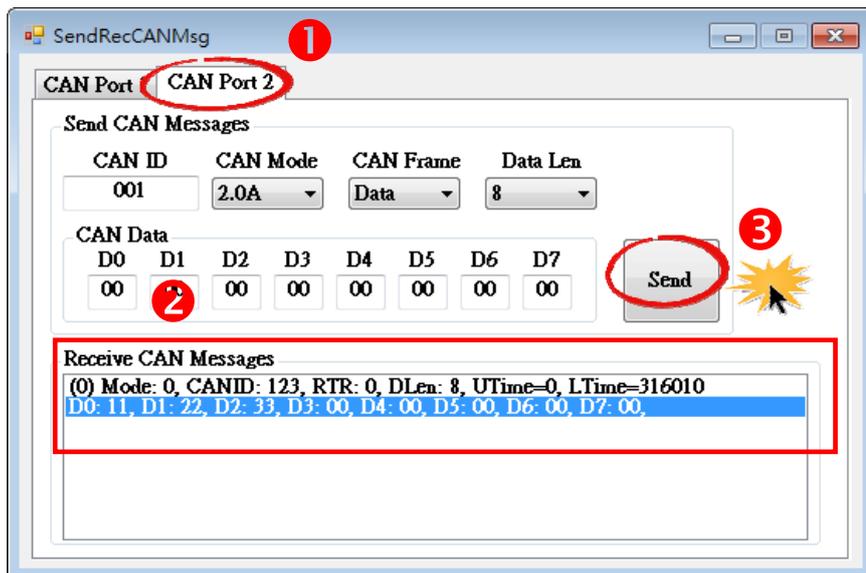
Step 4: Transmit a CAN message from CAN port 1 to CAN port 2.

1. Select the “CAN Port 1” item.
2. Keyin the CAN Message data.
3. Press the “Send” button to send a CAN message form CAN port 1 to CAN port 2.



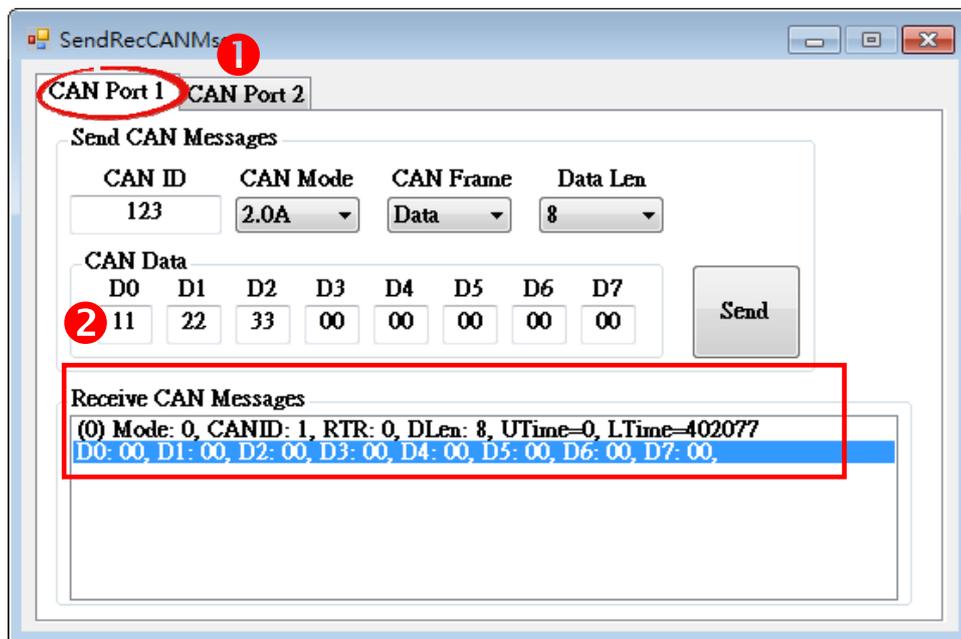
Step 5: Transmit a CAN message from CAN port 2 to CAN port 1

1. Select the “CAN Port 2” item.
2. Check the received CAN message is same as the transmitted message from CAN port 1.
3. Press send button to a CAN message form CAN port2 to CAN port1.



Step 6: Check the CAN port 1 message.

1. Select the "CAN Port 1" item.
2. Check the received CAN message is same as the transmitted message from CAN port 2.



8 Related Information

- PISO-CM200U Series Board Product Page:
http://www.icpdas.com/root/product/solutions/industrial_communication/fieldbus/can_bus/communication_board/piso-cm200u.html
- PISO-CM200U Documentation and Software:
CD: \can\pci\piso-cm200u\
http://ftp.icpdas.com/pub/cd/fieldbus_cd/can/pci/piso-cm200u
- CA-0910-C Product Pages (optional):
http://www.icpdas.com/products/Accessories/cable/cable_selection.htm