How to label serial ports on I-8112/I-8114/I-8142/I-8144 with COMx

Applies to:

Platform	*OS version*	*PAC utility version*
WP-9xxx	*All versions*	*All versions*
WP-8x2x	*All versions*	*All versions*
VP-x231	*All versions*	*All versions*

***N/A**: Not applicable to this platform and OS.*

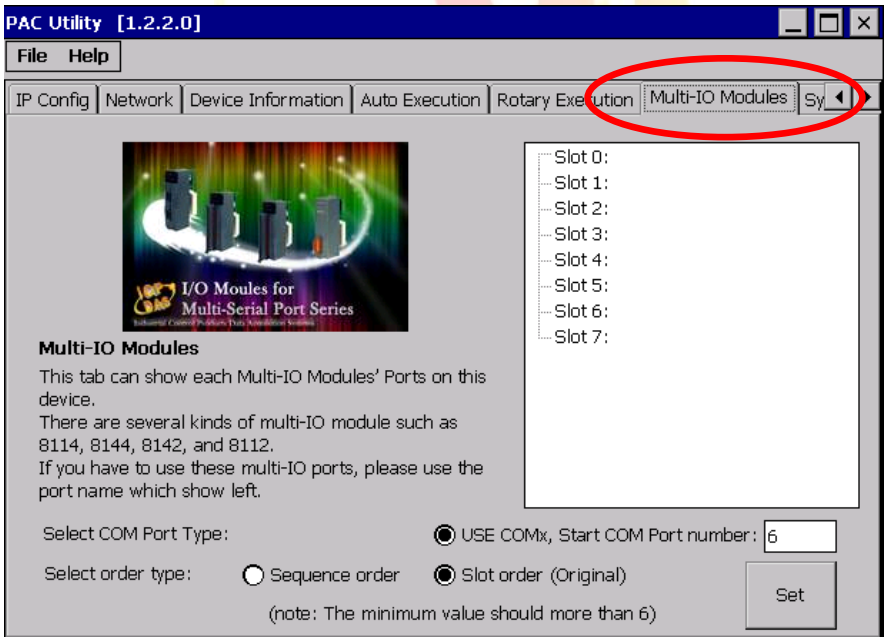
Serial communication modules are designed for use with intelligent devices such as bar code readers, serial printers, intelligent sensors, instrumentation equipment, computers, and almost any device providing the RS-232 or RS-422/485 serial communication.

To set up a communication module

Step 1: Install the multi-serial port module driver.

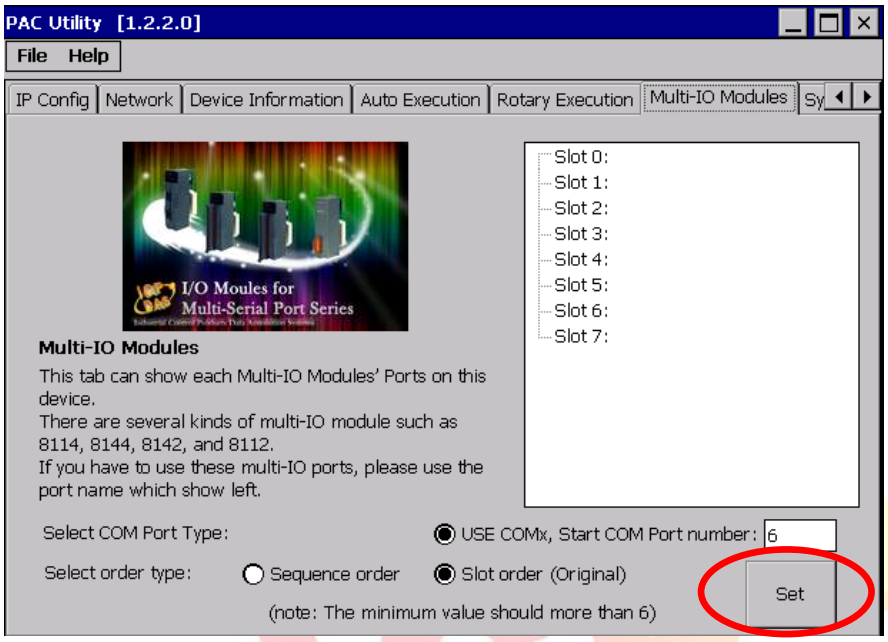
1.1. Insert the module into any slot

1.2. Start the PAC utility on the desktop, and then click the "**Multi-serial port wizard**" index page.

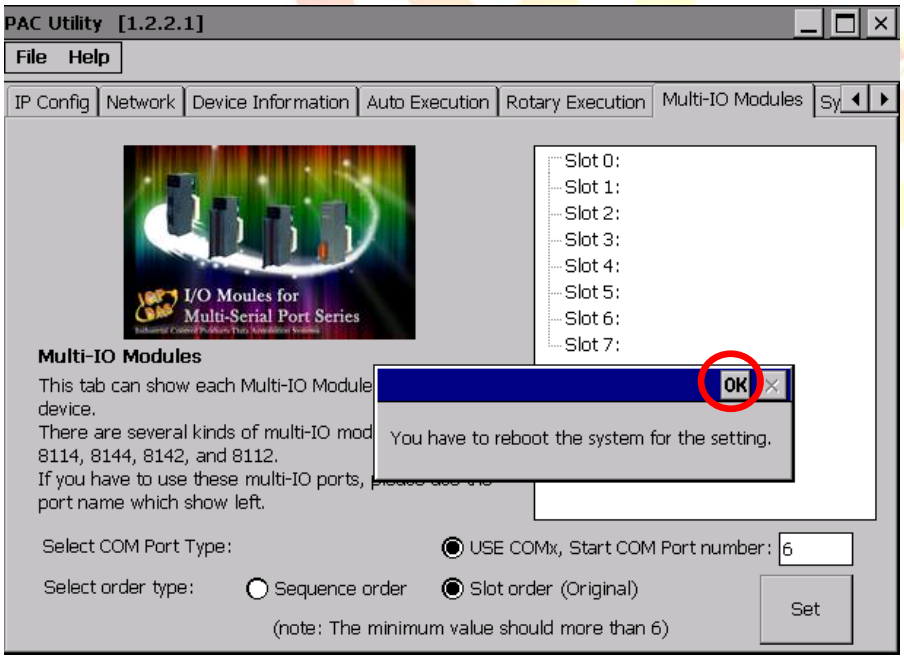


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1.5. Press “**Set**” .

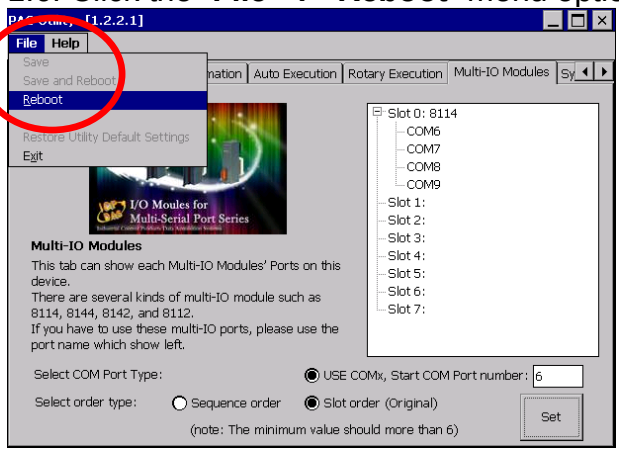


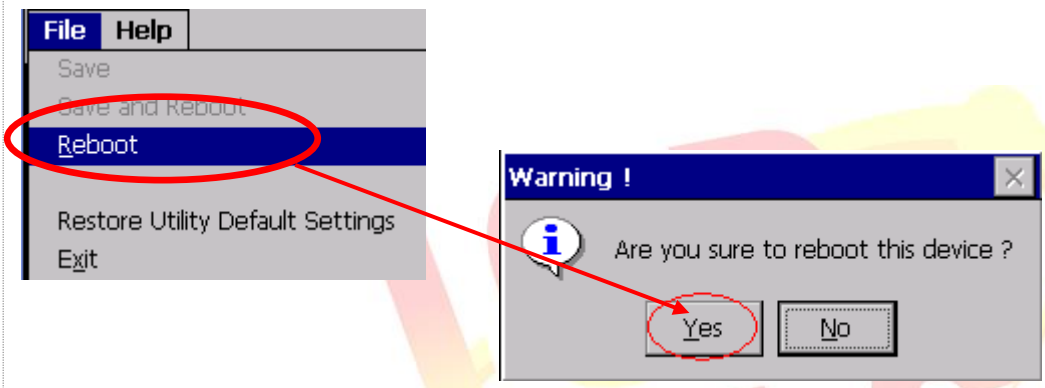
1.6. Press “**OK**” .



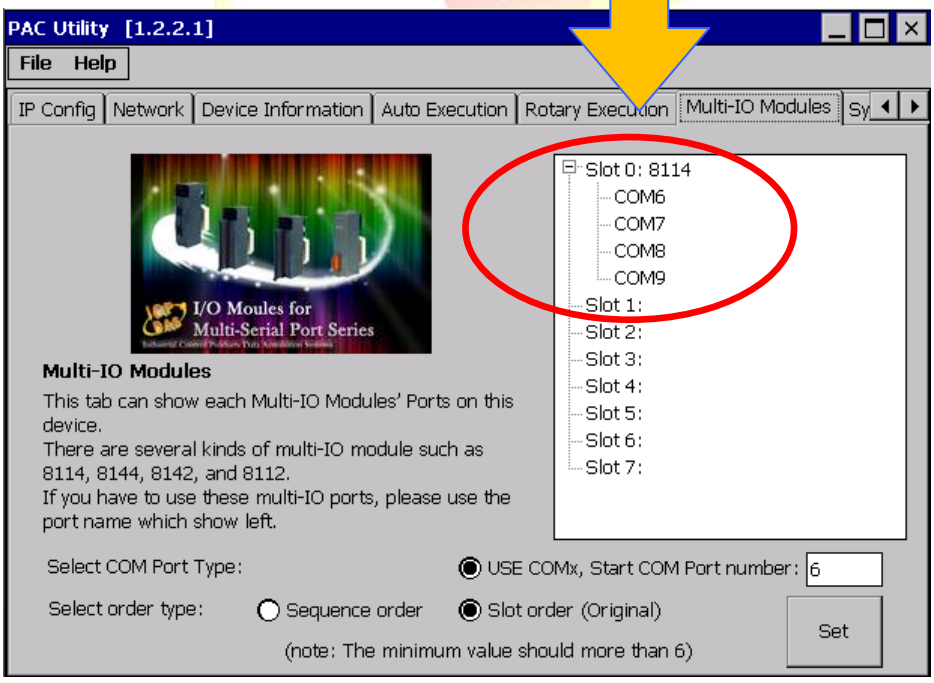
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1.6. Click the "**File**" → "**Reboot**" menu option.





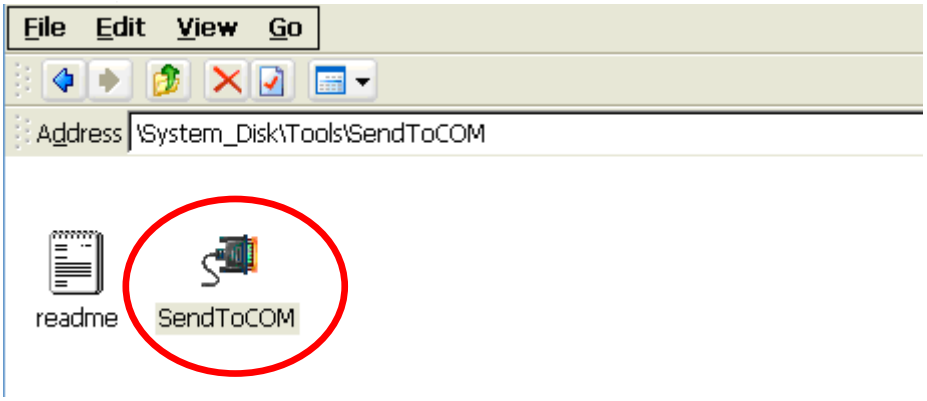
The driver is installed and enabled after rebooting.



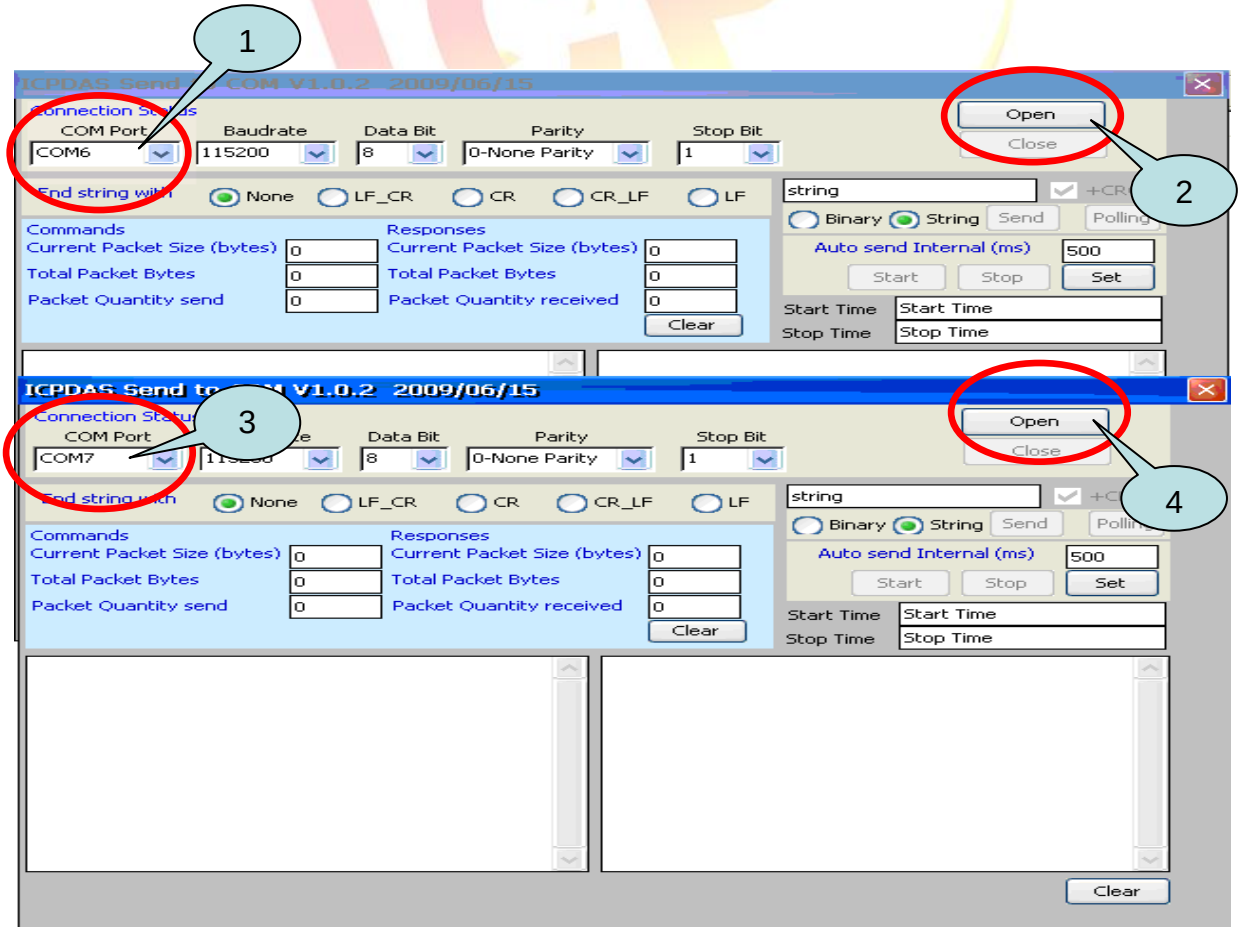
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Step 2: Test the multi-serial port module(s).

2.1. Connect the two ports of I-8142 and execute the **SendToCOM.exe** file located in "**\System_Disk\Tools\SendToCOM**".

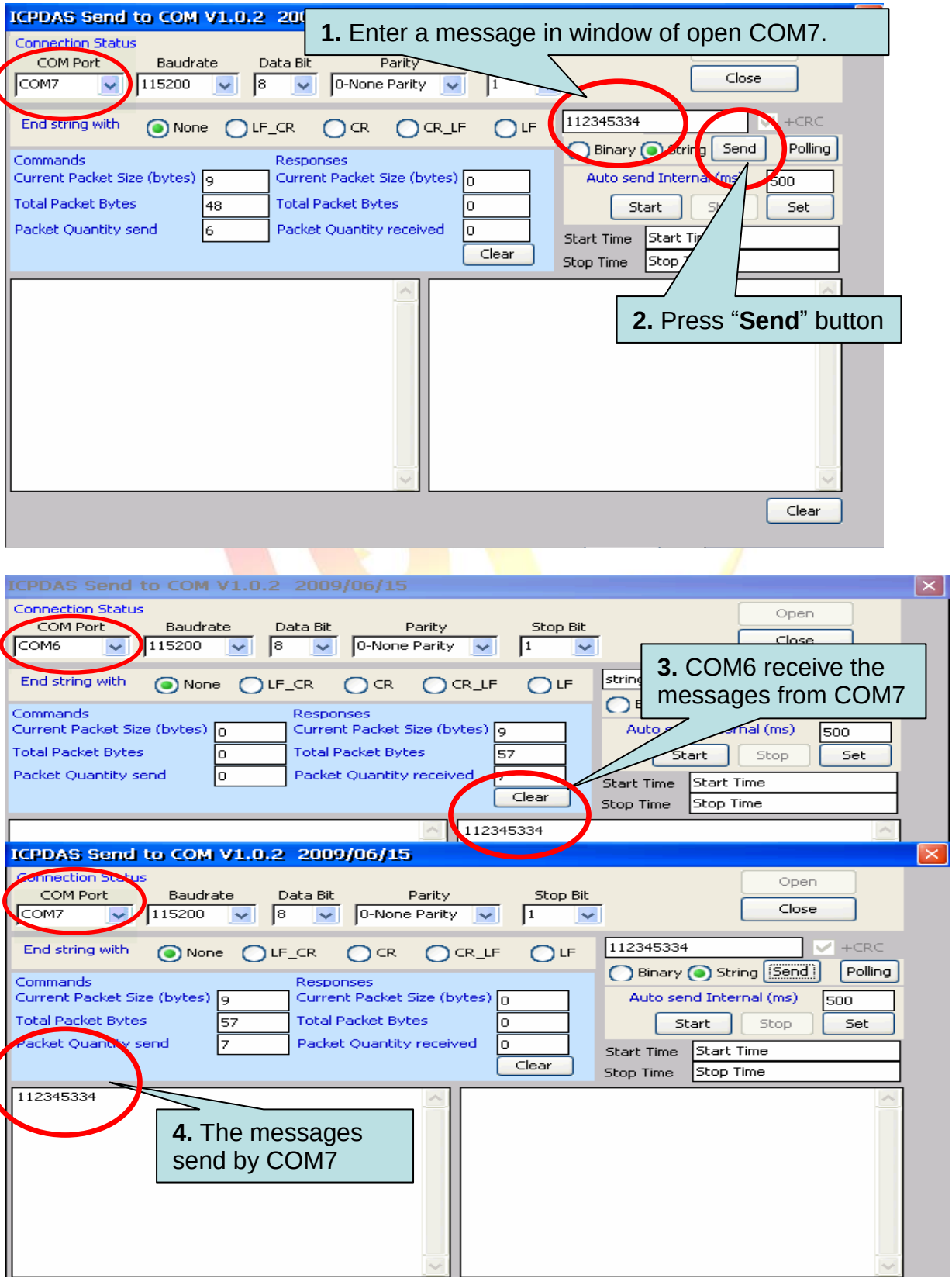


2.2. Execute the SendToCOM.exe files again, now two SendToCOM.exe are running; and then open COM Ports "**COM6**" and "**COM7**" (each corresponding to a real COM port).



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2.3. Use COM7 to send a message to COM6 and check the result.



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How to get the name of COM Ports

Overview

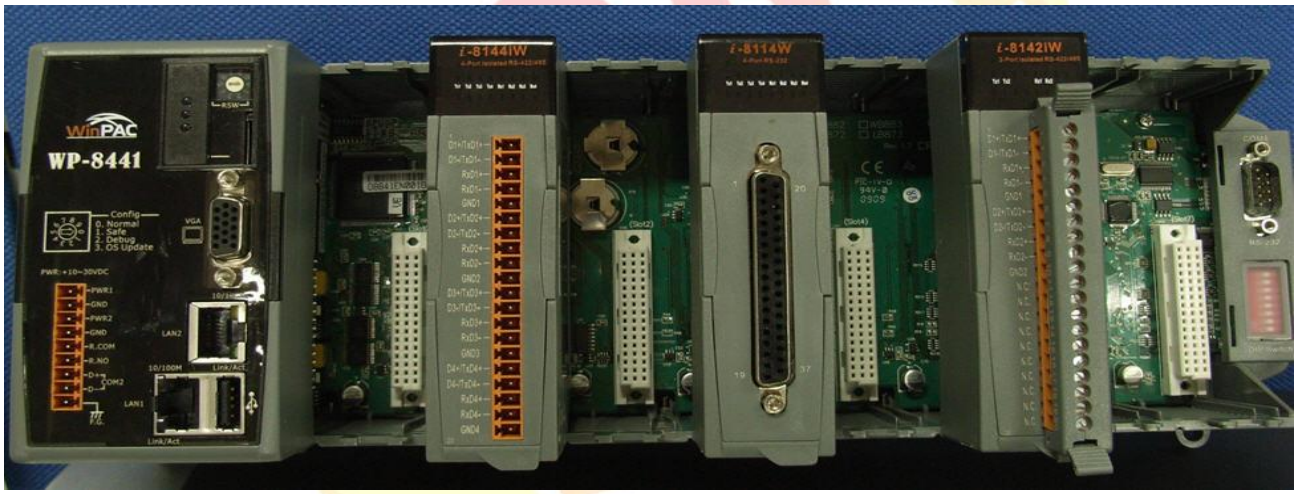
The maximum number of expanded COM port on communication modules supported is up to 16 (WP-8x2x). The 16 COM ports will be named in order of **COM6~COM21** since the driver installed.

To use the COM ports, you need assign the com port name as belows:

VB.net: Dim port As SerialPort = New SerialPort("COM6")

C#: System.IO.Ports.SerialPort port = new System.IO.Ports.SerialPort("COM6");

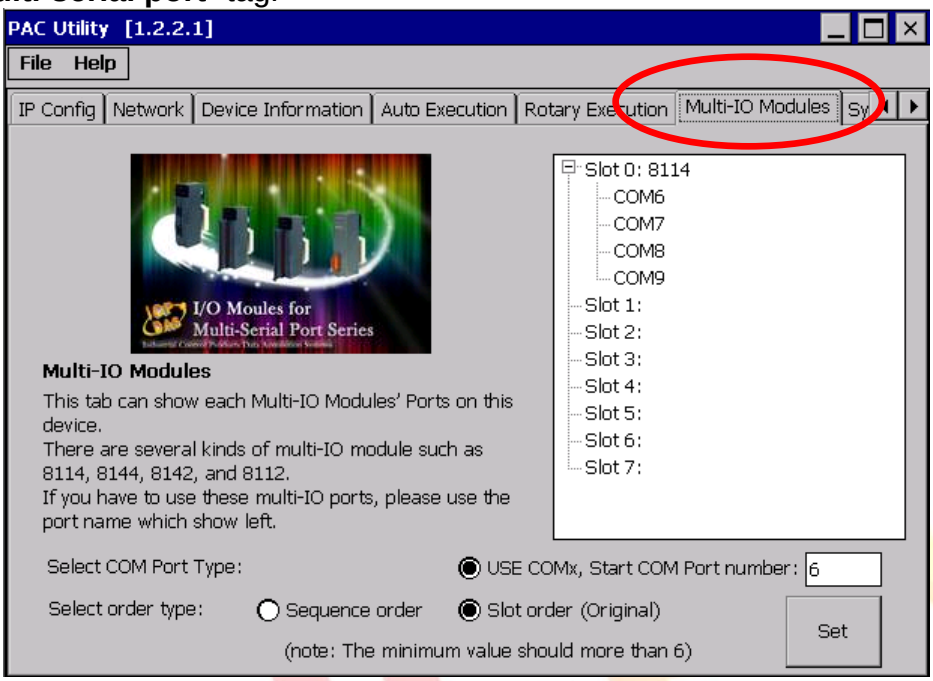
EVC: HANDLE hport=CreateFile(_T("COM6:"),…..);



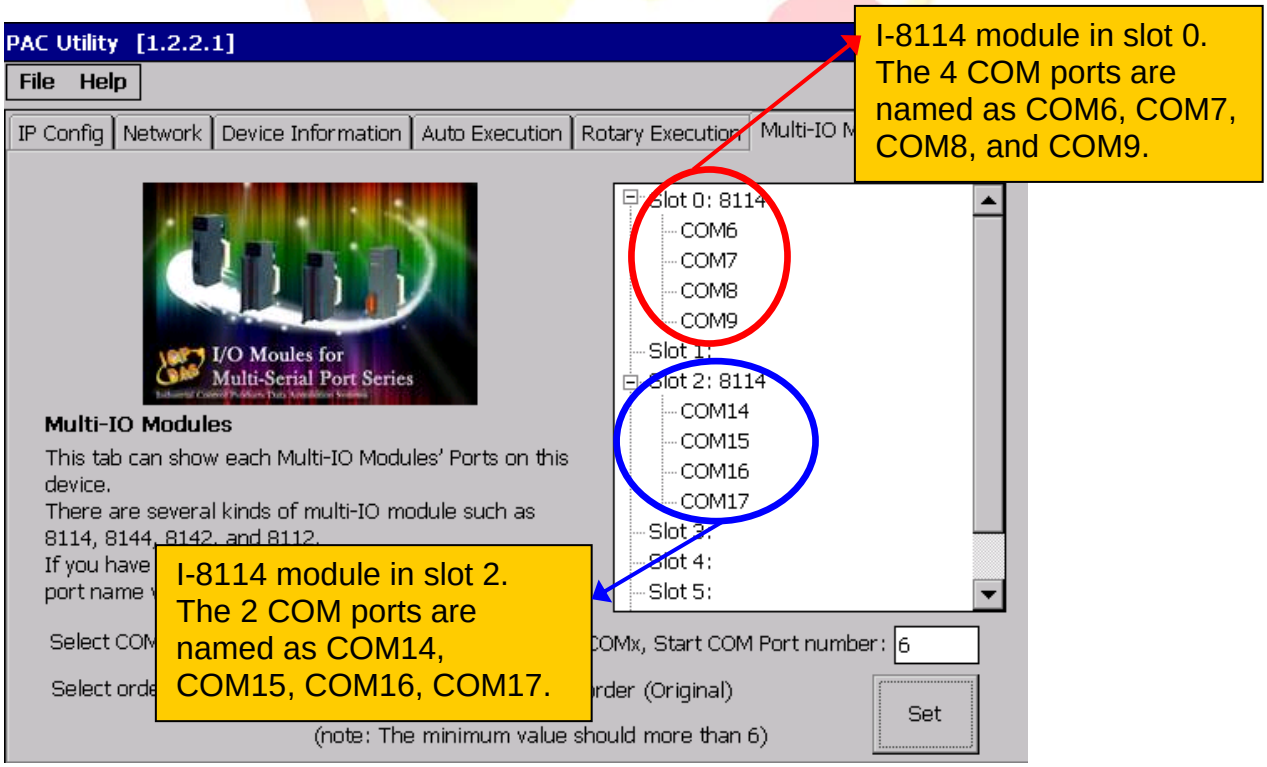
The following are the steps of getting the name of each COM Port:

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Step 1: Start the PAC Utility on the desktop, and then click the "**Multi-serial port**" tag.



The COM ports are grouped in the slot that the module plugged.



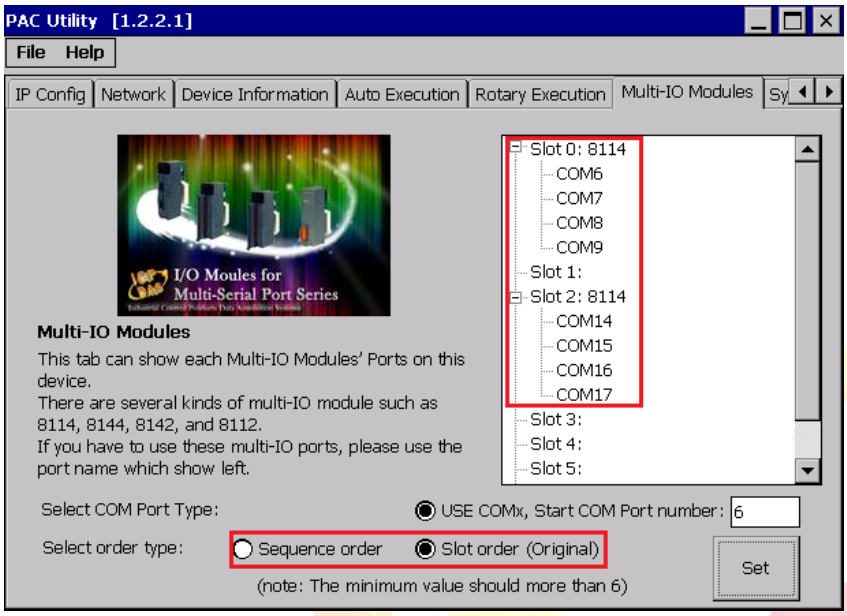
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Click the right option,COM Port will follow

Slot0：COM6、COM7、COM8、COM9

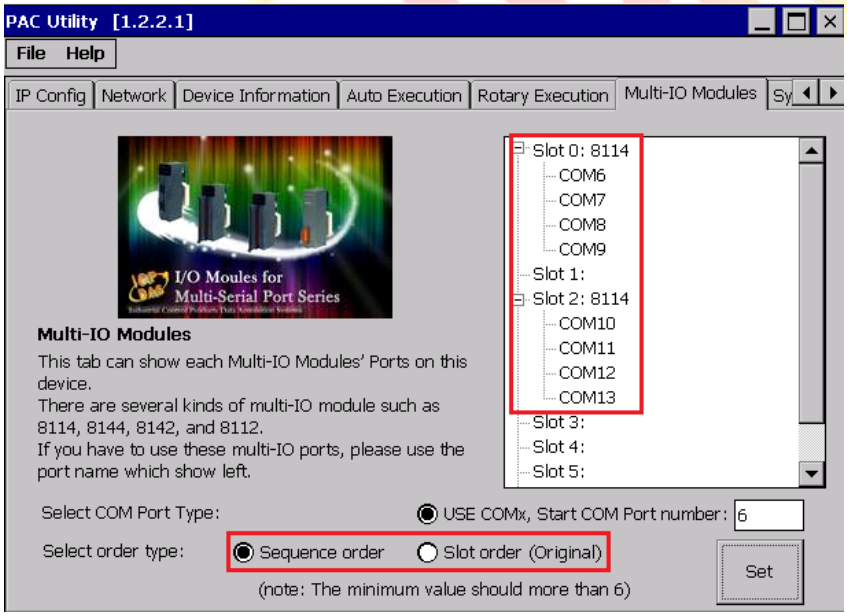
Slot1：COM10、COM11、COM12、COM13

Slot2：COM14、COM15、COM16、COM17……



Click the left option, COM Port will follow

→COM6、COM7、COM8、COM9、COM10、COM11……



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