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

Applies to:

Platform	*OS version*	*WinPAC/ViewPAC utility version*
WP-8x3x	*All versions*	*V2.0.1.5 and later*
WP-8x4x	*V1.4.1.0 and later*	*V2.0.1.5 and later*
WP-5000	***N/A***	***N/A***
VP-23W1/ VP-25W1	*V1.0.0.7 and later*	*V2.0.1.5 and later*
VP-4131	*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 interface.

To set up a communication module

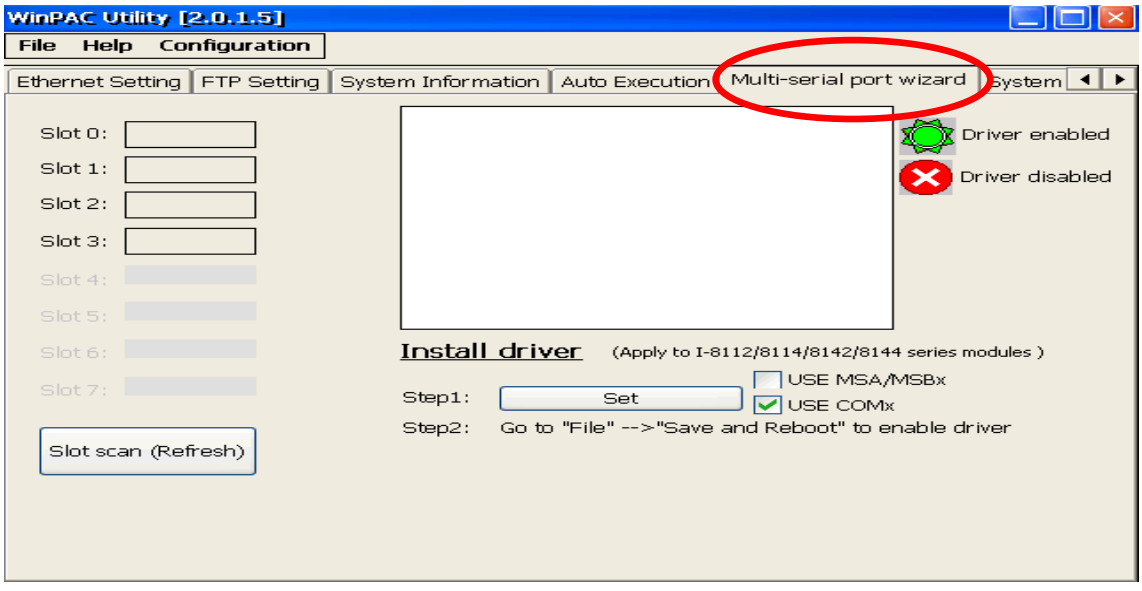
Step 1: Install the multi-serial port module driver.

1.1. Power off the WP-8000/ViewPAC unit

1.2. Insert the module into any slot

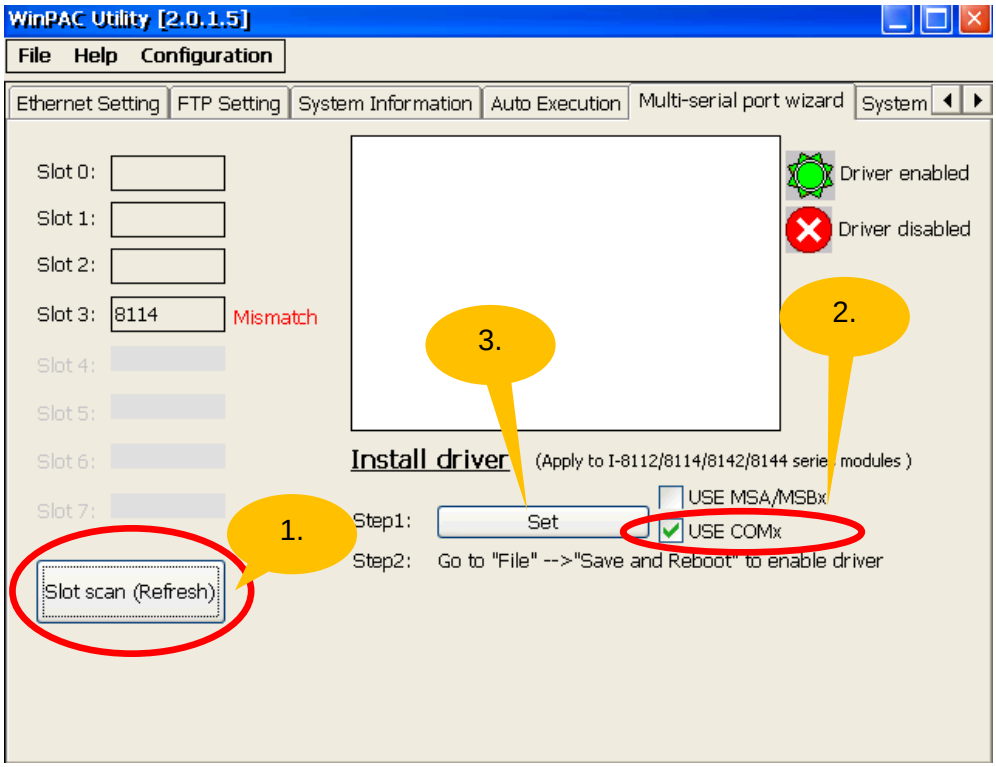
1.3. Power on the WP-8000/ViewPAC unit

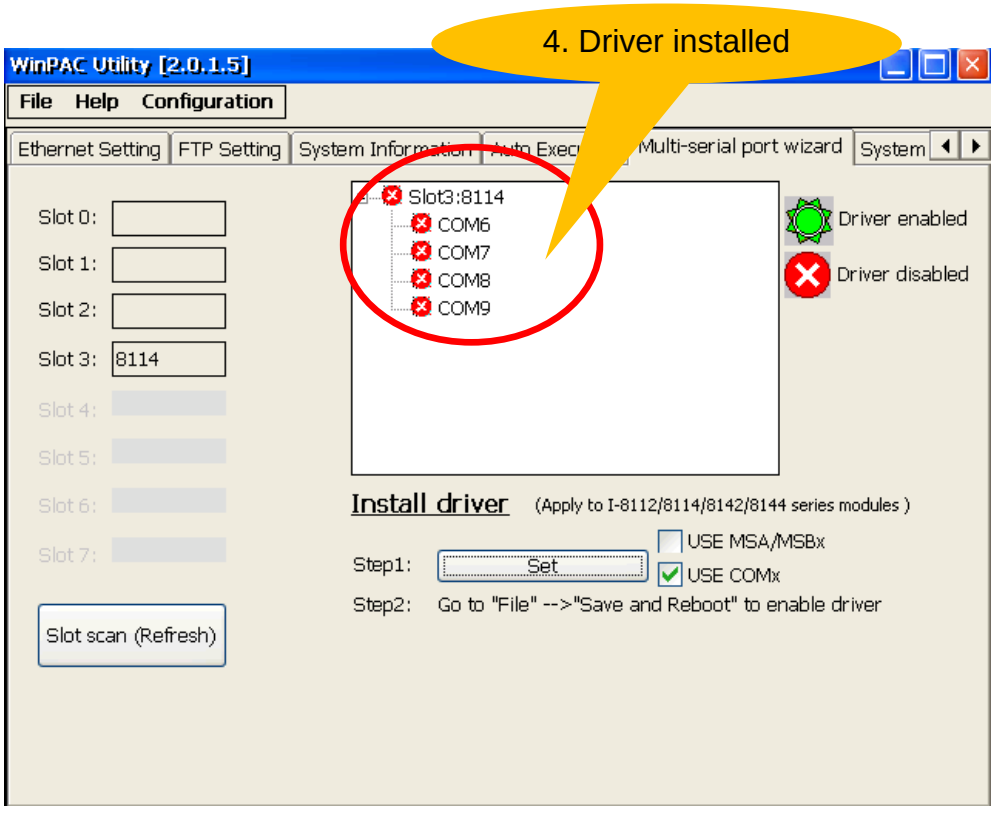
1.4. Start the WinPAC/ViewPAC utility on the desktop, and then click the "**Multi-serial port wizard**" index page.



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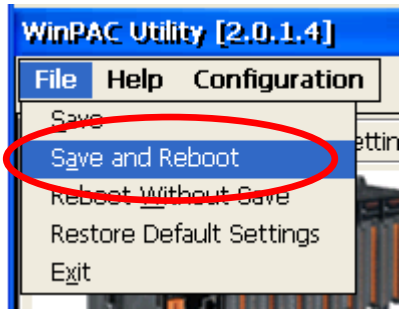
1.5. Press "**Slot scan (Refresh)**" button, check the USE COMx checkbox and then press"**Set**" button to install driver.



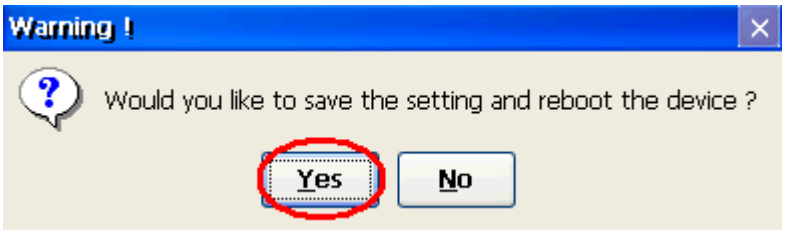


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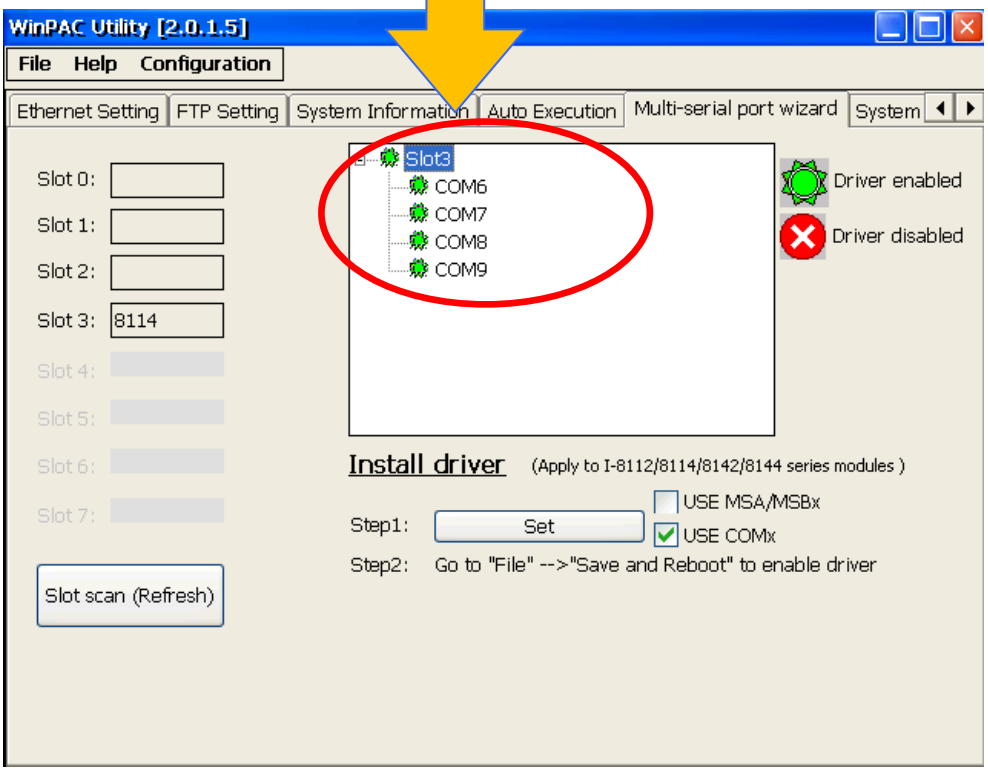
1.6. Click the "**File**" → "**Save and Reboot**" menu option.



1.7. Click the "**Yes**" button and wait for the device to reboot.



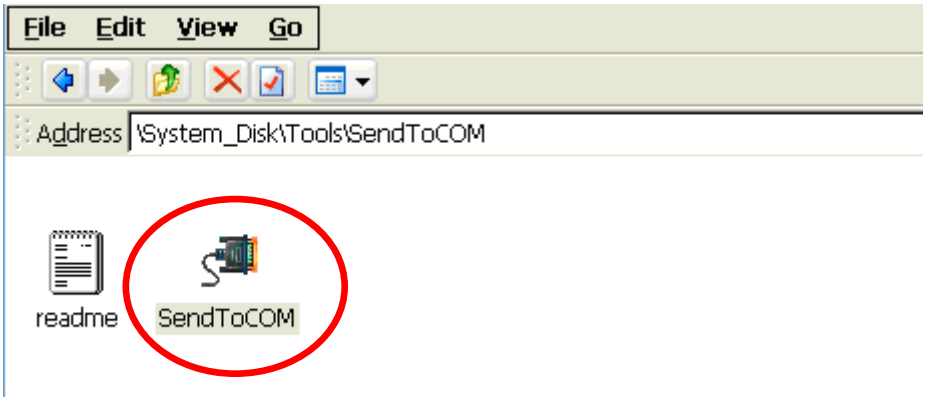
The driver is installed and enabled after rebooting.



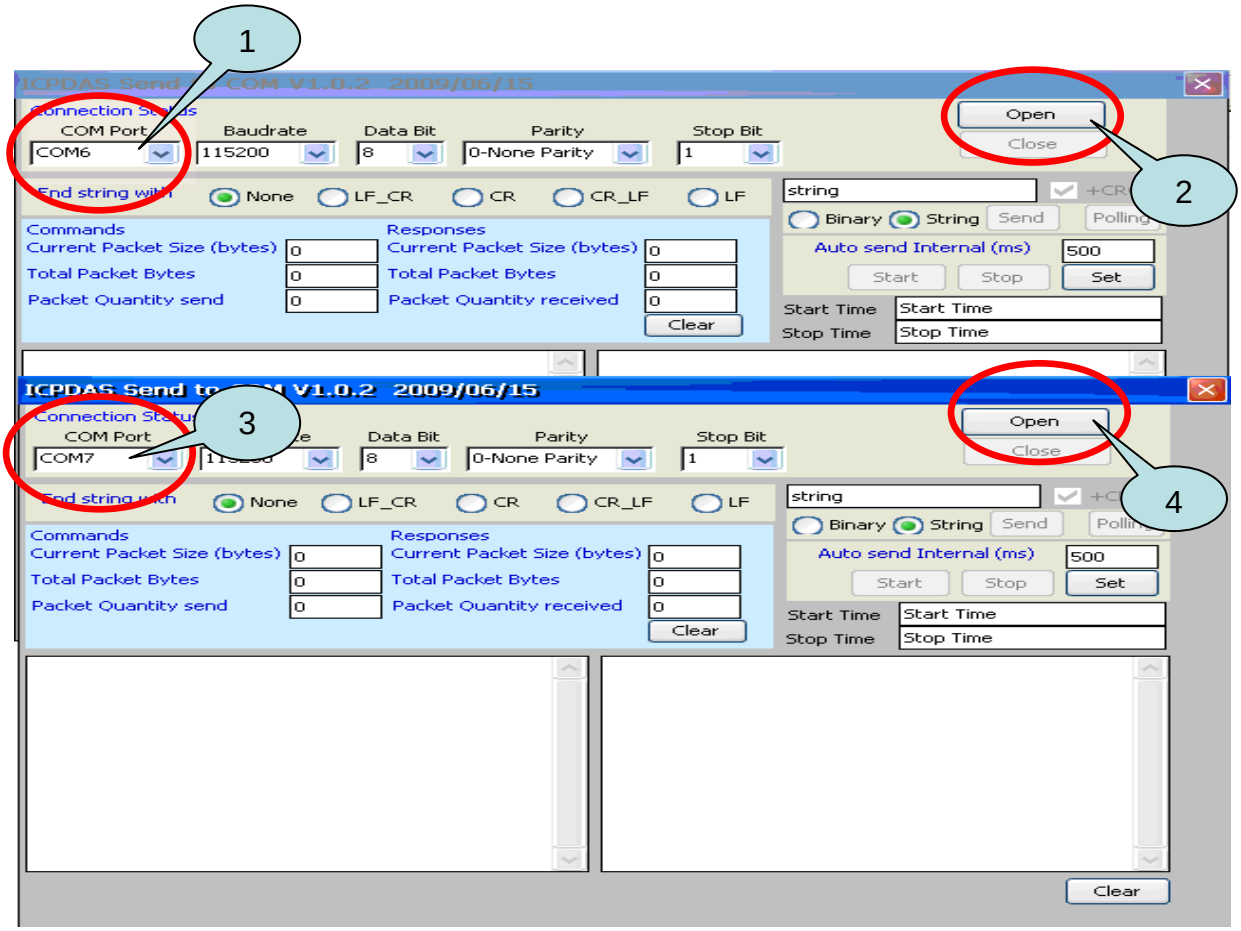
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Step 2: Test the multi-serial port module(s).

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

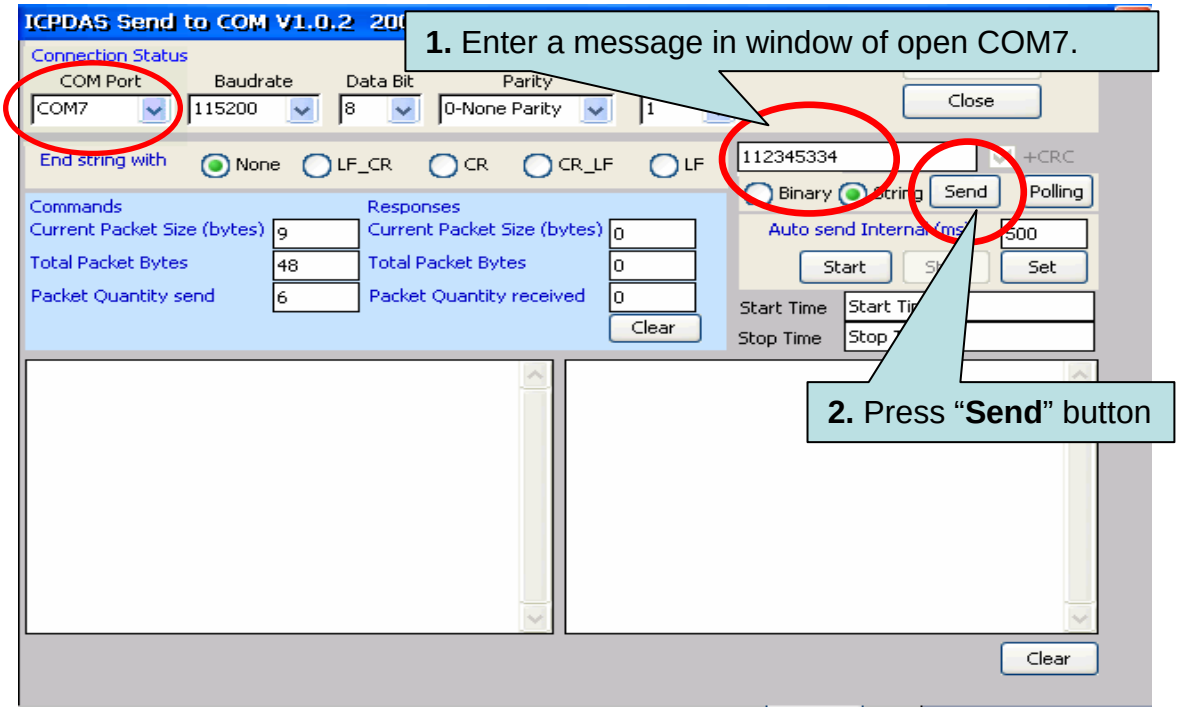


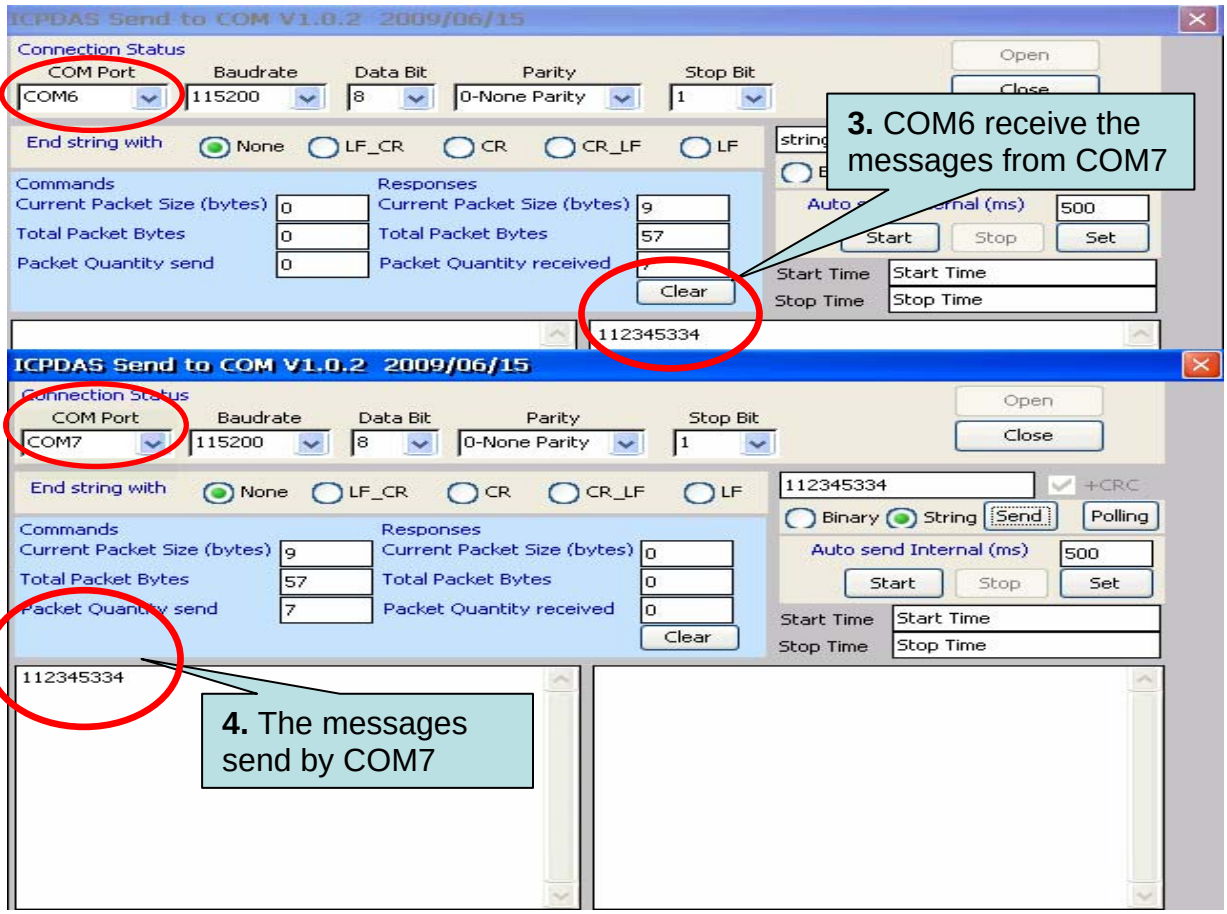
2.2. Execute the SendToCOM.exe files again, now two SendToCOM.exe are running; and then open COM Ports "**COM6**" and "**COM7**" (each corresponding to a real COM port).



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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 for a COM Port

Overview

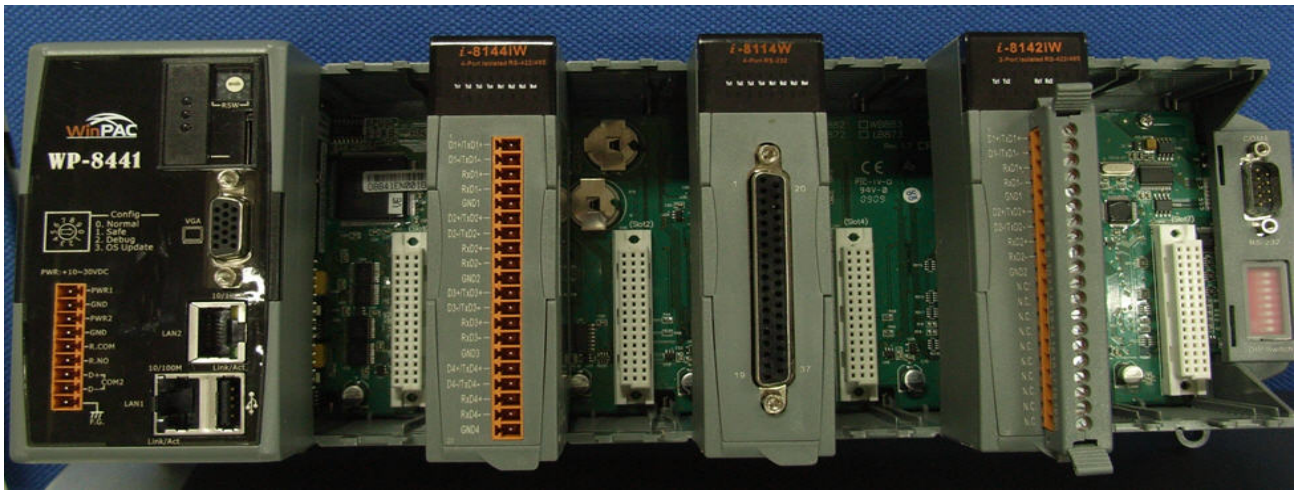
The maximum number of expanded COM port on communication modules supported is up to 16 (WP-8x4x). The 16 COM ports will be named in order of **COM6~COM21** since the driver installed.

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");

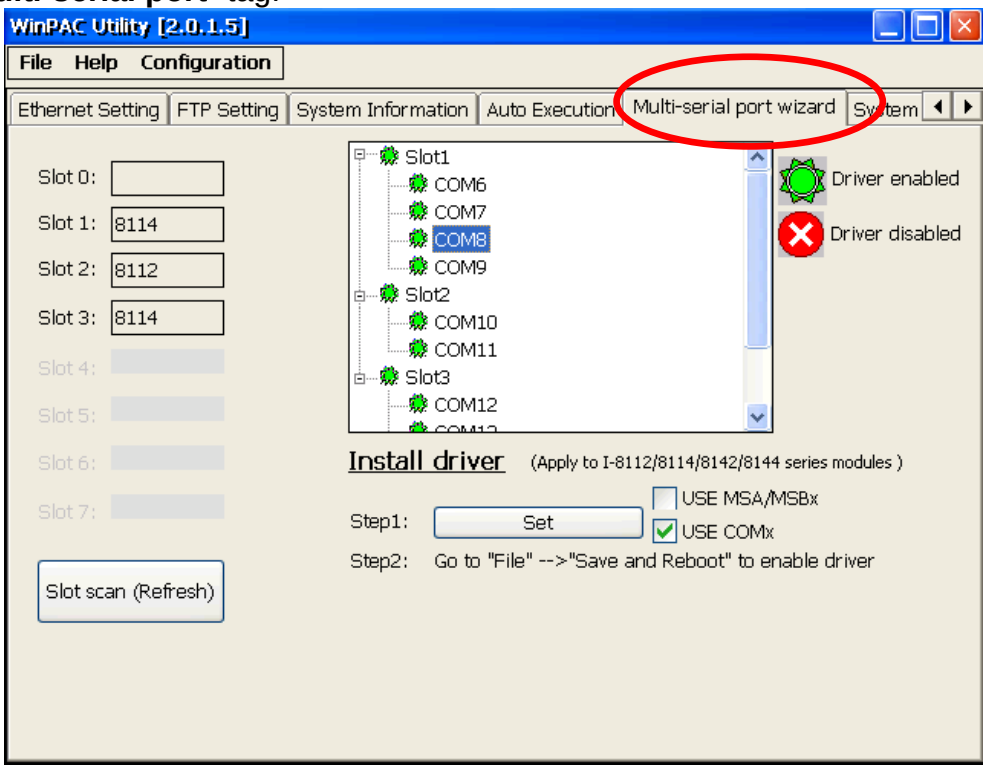
EVC: HANDLE hport=CreateFile(_T("COM6:"),…..);



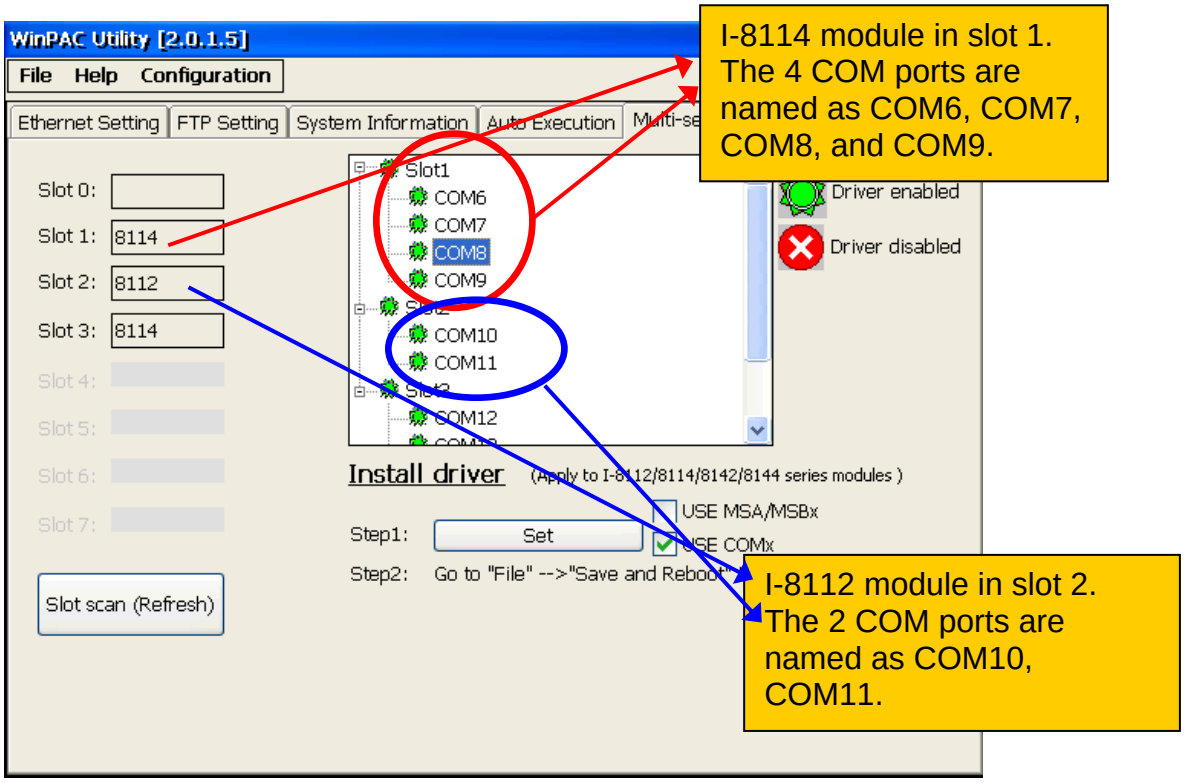
The following are the steps of getting the name of each COM Port:

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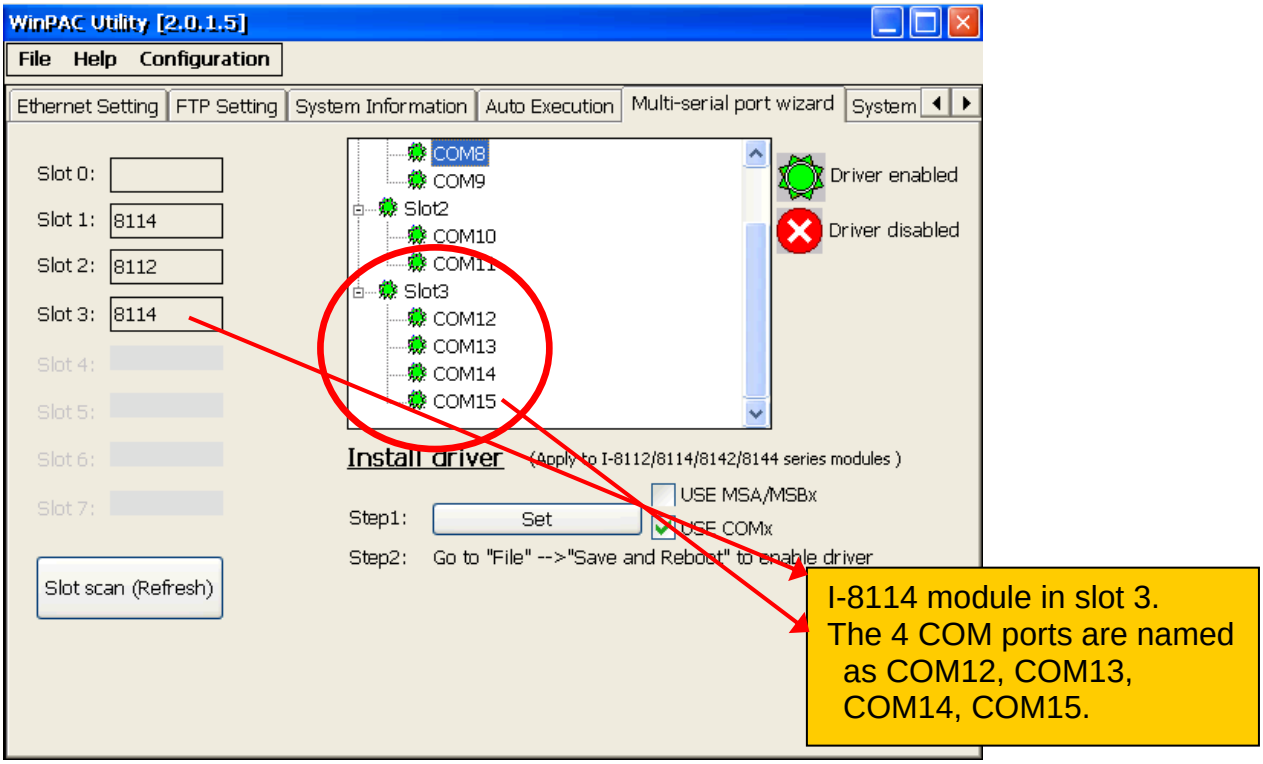
Step 1: Start the WinPAC/ViewPAC Utility on the desktop, and then click the "**Multi-serial port**" tag.



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



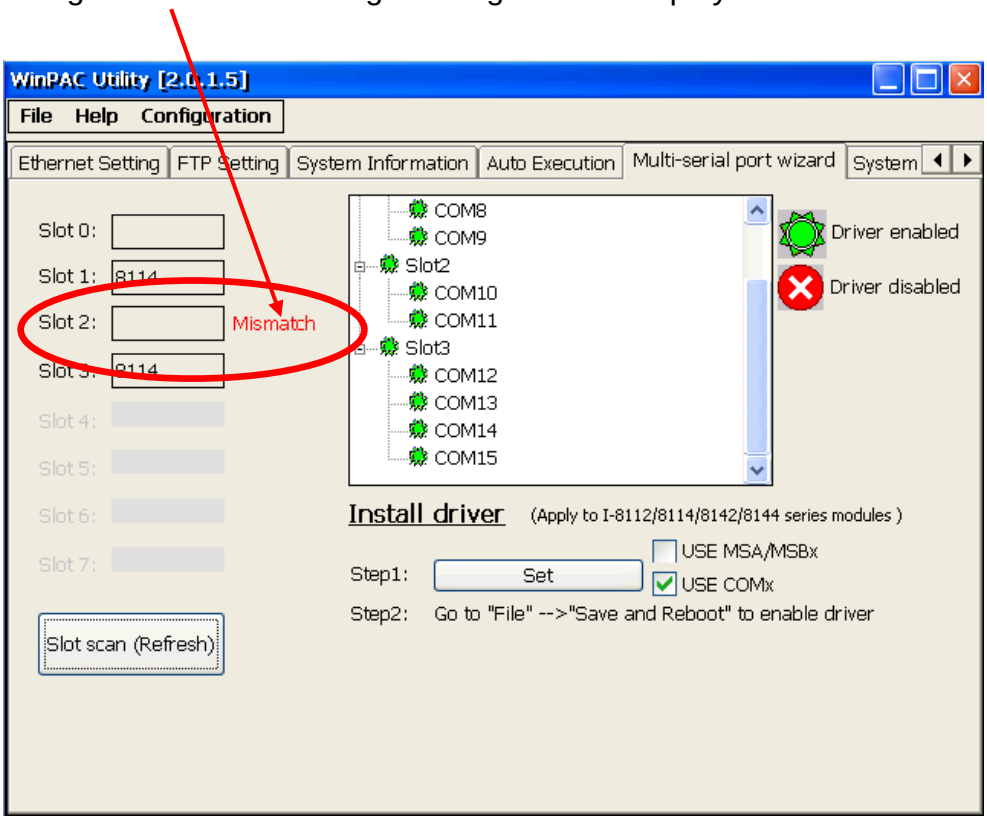
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Troubleshooting Note

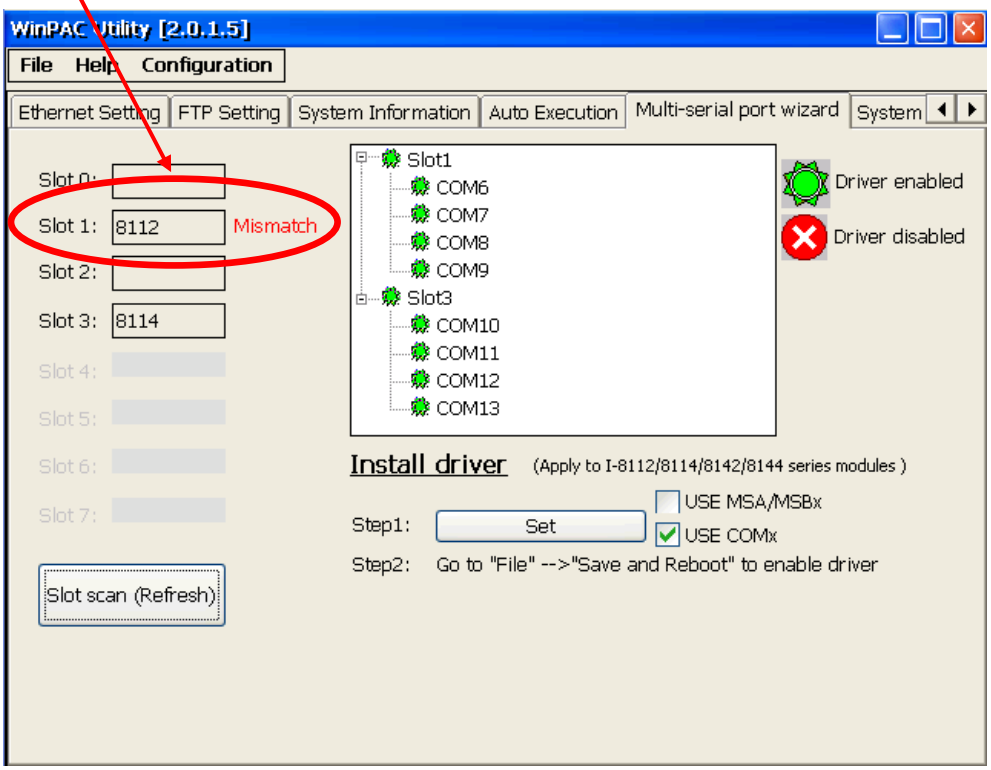
Case1: If the multi-serial port driver has been enabled, but there is no module in slot, a flashing "**Mismatch**" warning message will be displayed next to the slot scan list column.



Solution: Reinstall the multi-serial port driver.

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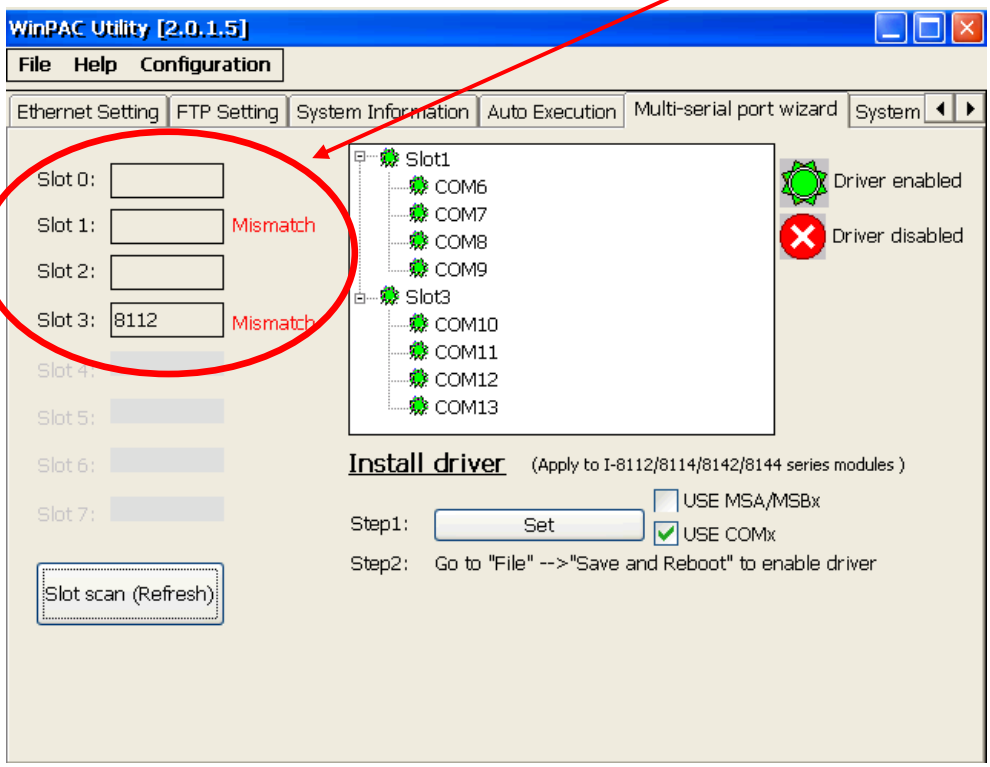
Case2: If the driver installed is for a 4-port module (For example: I-8112/I-8114/I-8144) but the module current inserted in the slot is not a 4-port one (such as I-8142), the "**Mismatch**" text message will flash next to the slot column to warn you.



Solution: Reinstall the multi-serial port driver.

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Case3: You may want to remove a module with driver installed and enabled, and use new type modules for different applications. Whether you remove a module installed and enabled, or add a new module without driver installed, a flashing "**Mismatch**" warning message will display to alarm you.



Solution: Reinstall the multi-serial port driver.

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Revision History

Revision	Date	Description
1.0.1	2013/10/16	NEW: Added support information for VP-4131
1.0.0	2010/02/12	Initial release

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