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

Appli	es 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.

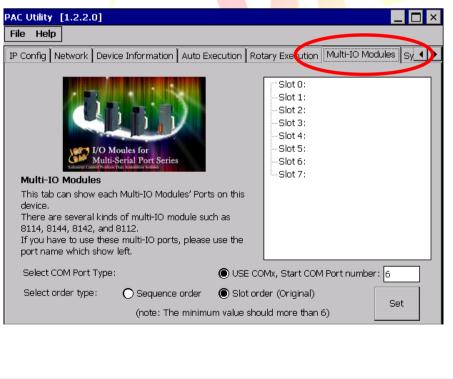
To set up a communication module

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

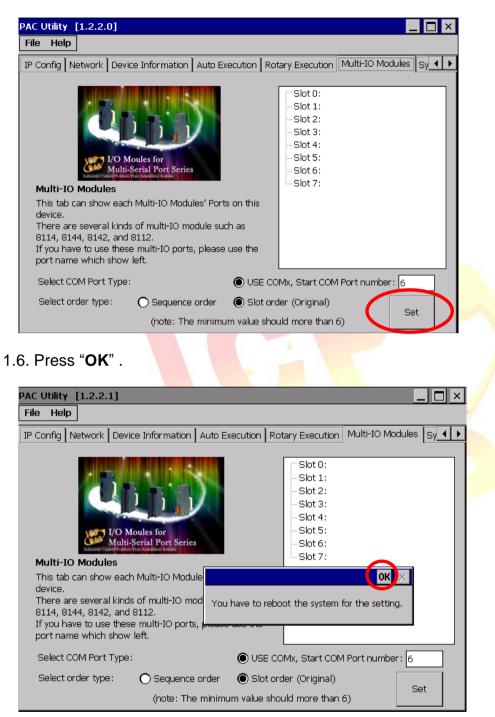
page.



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1.5. Press "Set" .



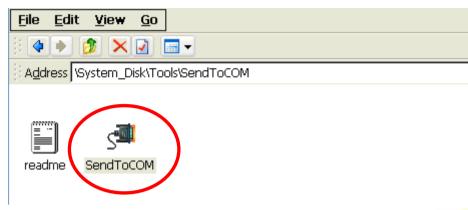
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Reboot Restore Offity Default Settings Egit Multi-O Modules This tab can show each Multi-IO M device. There are several kinds of multi-Go evita, 8144, 8142, and 812. If you have to use these multi-IO p port name which show left. Select COM Port Type: Select order type: Seque	on Auto Execution Rotary Ex	ecution Multi-TO Modules to : 8114 COM6 COM7 COM9 t1: t2: t3: t4: t5: t5: t5: t5: t6: sot 7: fignal) Set	ing !	sure to reboot	t this device ?		
enabled afi PAC Utility File Help							
Multi-IO This tab c device. There are 8114, 814 If you hav	etwork Device Infor Device Infor I/O Moules for Multi-Scrial P Modules an show each Multi- several kinds of mu 4, 8142, and 8112. e to use these multi- which show left.	IO Modules' Ports of Iti-IO module such	on this as	Xecudon Multi-IO Iot 0: 8114	Modules Sy • •		
Select CC Select on) Slot order (0		nber: 6		

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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".

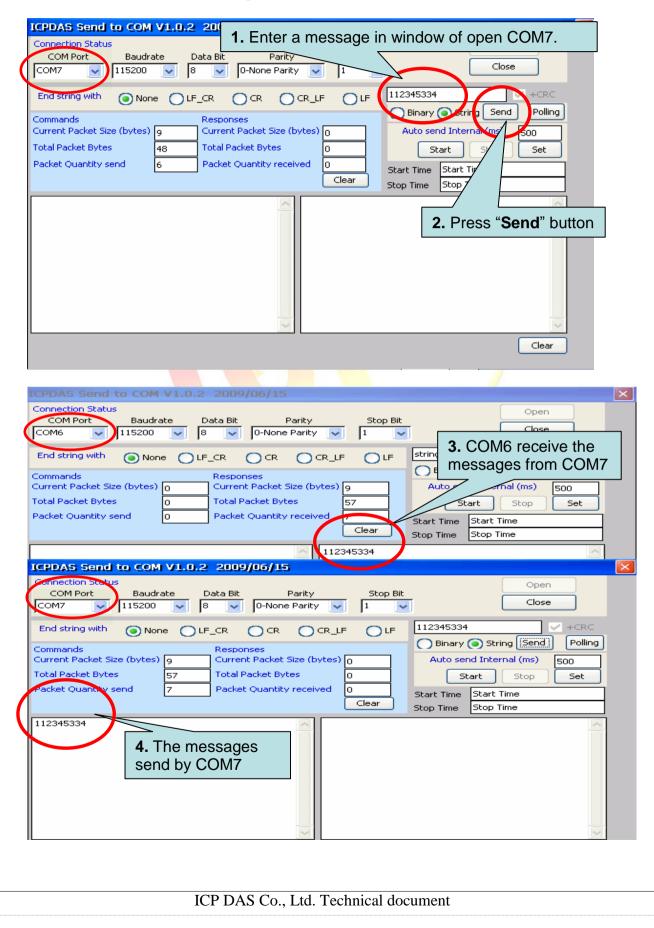


2.2. Execute the SendToCOM.exe files again, now two SendToCOM.exe are running; and then open COM Ports "**COM6**" and "**COM7**" (each corresponding to a real COM port).

$\left(\begin{array}{c}1\end{array}\right)$
ICPDAS Send COM V1.0.2 2009/06/15
Connection Star Stop Bit COM Port Baudrate Data Bit Parity Stop Bit COM6 115200 8 0-None Parity 1
Commands Responses Current Packet Size (bytes) 0 Total Packet Bytes 0 Total Packet Bytes 0
Packet Quantity send O Packet Quantity received O Start Time Stop Time Stop Time
ICPDAS. Send tr V 1.0.2 2009/06/15 Connection Stau 3 e Data Bit Parity Stop Bit COM7 1 Income State Income State Income State
Sed string whith None LF_CR CR CR_LF LF String +c 4 Commands Responses Binary () String Send Polling
Current Packet Size (bytes) 0 Current Packet Size (bytes) 0 Total Packet Bytes 0 Total Packet Bytes 0 Start Stop Backet Quaptity received 0 Start Stop Start
Clear Stop Time Stop Time
Clear
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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

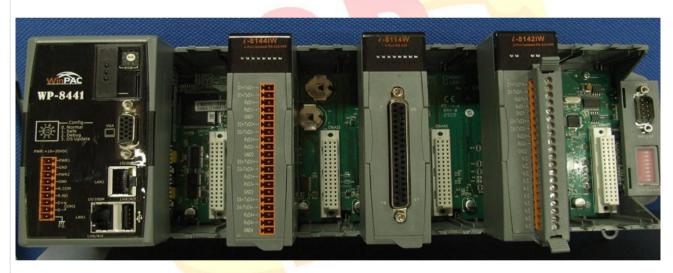
The maximum number of expanded COM port on communication modules supported is up to 16 (WP-8x2x). The 16 COM ports will be named in order of **COM6~COM21** since the driver installed.

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");

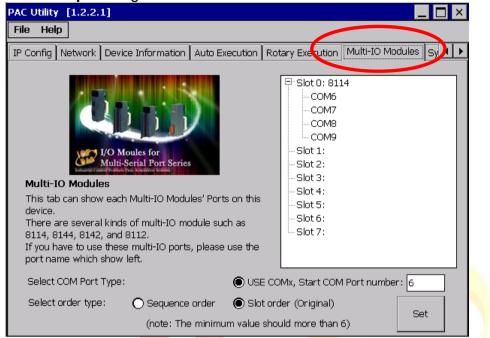
EVC: HANDLE hport=CreateFile(_T("COM6:"),....);



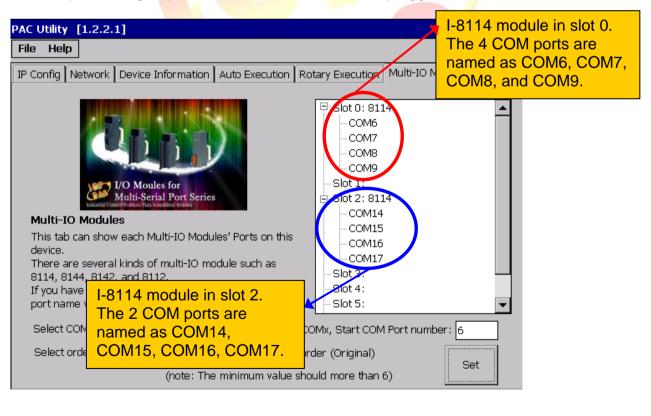
The following are the steps of getting the name of each COM Port:

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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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		OM Port will fol 、COM8、CON				
Slot1 : C	COM10 · COM	11、COM12、(COM13			
Slot2 : C	COM14 \ COM	15 · COM16 · (COM17			
PAC Utility [1 File Help				_ 🗆 ×		
IP Config Net	work Device Information	Auto Execution Rotary E	xecution Multi-IO Mod	ules Sy 🔸 🕨		
device. There are s 8114, 8144 If you have	I/O Moules for Multi-Scrial Port Scrie An show each Multi-IO Mod several kinds of multi-IO mr , 8142, and 8112. to use these multi-IO port which show left.	ules' Ports on this nodule such as s, please use the −S	lot 0: 8114 			
	1 Port Type:	-	itart COM Port number	6		
Select orde	· · · ·	e order 💿 Slot order (O e minimum value should mo		Set		
Click the	left option, CO	OM Port will folle	ow			
→COM6	· COM7 <mark>· C</mark> C	M8 · COM9 · C	COM10 · CO	M11		
PAC Utility [1 File Help	1.2.2.1]					
IP Config Net	work Device Information	Auto Execution Rotary E	xecution Multi-IO Mod	lules Sy 4 >		
device. There are s 8114, 8144 If you have	VO Moules for Multi-Serial Port Series An show each Multi-IO Mod several kinds of multi-IO mod several kinds of multi-IO mod several kinds of multi-IO port which show left.	ules' Ports on this nodule such as $-S$ (s, please use the $-S$	lot 0: 8114 - COM6 - COM7 - COM8 - COM9 lot 1: lot 2: 8114 - COM10 - COM11 - COM12 - COM13 lot 3: lot 4: lot 5:			
	1 Port Type:		Start COM Port number	6		
Select orde		e order 🛛 O Slot order (C le minimum value should m		Set		
		ICP DAS Co., I	.td. Technical	document		