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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	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" ir	dex page.
------------	-----------

thernet Setting FTP Setting S	ystem Information Auto Execution Multi-serial port wizard System
Slot 0:	Driver enabled Driver disabled Install driver (Apply to I-8112/8114/8142/8144 series modules) USE MSA/MSBX Step1: Set USE COMx Step2: Go to "File"> "Save and Reboot" to enable driver

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



WinPAC Utility [2.0.1.5]	4. Driver installed
File Help Configuration	
Slot 0:	stem Information Auto Exect Multi-serial port wizard System System Stem COM6 COM7
Slot 1:	COM8 COM9
Slot 3: 8114 Slot 4:	
Slot 5:	Install driver (Apply to I-8112/8114/8142/8144 series modules)
Slot 7: Slot scan (Refresh)	Step1: Set USE MSA/MSBx Step2: Go to "File">"Save and Reboot" to enable 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.

Warning !	×
😲 Would you like	to save the setting and reboot the device ?
	Yes No
-	
nabled after rebooti	ng.
WinPAC Utility [2.0.1.5]	
File Help Configuration	1 Sustan Jafarmatika Auto Everytian Multi-serial port wizard Sustan 4
Edemet Setting FTP Settin	
Slot 0:	COM6
Slot 1:	COMB
Slot 4:	
Slot 5:	
Slot 6:	Install driver (Apply to I-8112/8114/8142/8144 series modules)
Slot 7:	Sten1: Set
	Step2: Go to "File">"Save and Reboot" to enable driver
Slot scan (Refresh)	
	ICD DAS Co. I to Technical document
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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 $\ensuremath{\textbf{SendToCOM.exe}}$ 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).

ICPDAS Send COM V1.0.2 2009/06/15	
COM Port Baudrate Data Bit Parity Stop Bit COM6 115200 8 0-None Parity 1 Image: Comparity	Open Close
	+⊂R(2)
Commands Responses Direct Packet Size (bytes) Auto send Inte	ring Send Polling
Total Packet Bytes 0 Start	Stop Set
Packet Quantity send 0 Packet Quantity received 0 Start Time Start Clear Stop Time Stop	Time Time
ICPDAS Send to 11 V1.0.2 2009/06/15	
COM Port 3 e Data Bit Parity Stop Bit COM7 1100 8 0 0-None Parity 1 0	Close
Commands Responses Binary (•) St Current Packet Size (bytes)	ring Send Pollin
Total Packet Bytes 0 Start	Stop Set
Packet Quantity send 0 Packet Quantity received 0 Start Time Start Clear Stop Time Stop	Time
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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.

WinPAC Utility [2.0.1.5]	
File Help Configuration	
Ethernet Setting FTP Setting	System Information Auto Execution, Multi-serial port wizard System 🔳 🕨
Slot 0: Slot 1: 8114 Slot 2: 8112 Slot 3: 8114 Slot 4: Slot 5:	Slot1 COM6 COM7 COM9 COM9 COM10 COM11 COM12 COM12 COM12
Slot 6: Slot 7: Slot scan (Refresh)	Install driver (Apply to I-8112/8114/8142/8144 series modules) USE MSA/MSBx Step1: Set VSE COMx Step2: Go to "File">"Save and Reboot" to enable driver

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

/inPAC Utility [2.0.1.5] File Help Configuration Ethernet Setting FTP Setting	System Information Auto Execution Minti-se	The 4 COM ports are named as COM6, COM7, COM8, and COM9.
Slot 0: Slot 1: 8114 Slot 2: 8112 Slot 3: 8114 Slot 4: Slot 5: Slot 6:	COM6	Driver enabled Driver disabled
Slot 7: Slot scan (Refresh)	Step1: Set Set Step2: Go to "File">"Save and Rebo	 E MSA/MSBx E COMx I-8112 module in slot 2. The 2 COM ports are named as COM10, COM11.

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							L
WinPAC	Utility [2.0.1.5]						
File F	elp Configuration						
Etherne	t Setting FTP Setting S	System Informati	on Auto Execution	Multi-serial p	ort wizard System	↓	
Slot (:	¢ C	OM8 OM9		Criver enal	bled	
Slot :	: 8114	ia∰ Slot2	2 OM10		Driver disa	bled	
Slot 2	8112	¢ C	OMII		•		
Slot 3	: 8114	ia∰ Slota	3 OM12 OM13				
Slot		C 🖗 C	OM14				
Slot 5		2 C	OM15		~		
Slot 6		<u>Install d</u>	Fiver (Apply to I-8:	112/8114/8142/	8144 series modules)		
Slot		Step1:	Set		SA/MSBX		
		Step2: G	o to "File">"Save a	and Reboat" t	o epable driver		
Slot	scan (Refresh)				I-8114	module i	n slot 3.
					The 4 (COM port	ts are named
					as CC	OM12, CC	DM13,
					COM	14, COM ²	15.

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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.

WinPAC Utility [2.0.1.5]	
File Help Configuration	
Slot 0: Slot 2: Misn Slot 5. 0114	System Information Auto Execution Multi-serial port wizard System
Slot 4: Slot 5: Slot 6:	COM13 COM14 COM15
Slot 7:	Step1: Set USE MSA/MSBx ✓ USE COMx Step2: Go to "File">"Save and Reboot" to enable driver

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.

WinPAC Vility [2.0.1.5]	
File Help Configuration	
Ethernet Setting FTP Setting Sys	item Information Auto Execution Multi-serial port wizard System 🔳 🕨
Slot D: Mismatch Slot 1: 8112 Slot 2: Slot 3: Slot 3: 8114 Slot 5: Slot 5: Slot 6: Slot 7:	Slot1 COM6 COM7 COM8 COM9 COM10 COM11 COM12 COM12 COM13 Install driver (Apply to I-8112/8114/8142/8144 series modules) Step1: Set VSE MSA/MSBx Step1: Set VSE COMx
Slot scan (Refresh)	Step2: Go to "File">"Save and Reboot" to enable driver

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.

	WinPAC	Utili	ty [2.0.1	5]					/						
	File H	elp	Configu	ration											
	Ethernet	: Set	ting FTP	Setting	Syste	m Infor	nation	Auto	o Executi	ion N	1ulti-ser	rial port	t wizard	System	••
1	Slot 0 Slot 1	: [] Misma	tch	P	Slot1 Decome Decom	57						river ena river disa	bled
	Slot 2	: [, ⊨\$ 9	DOM: COM: COM:	3 Ə							Dica
	Slot 3	: 8:	112	Misma	tch		COM:	10							
	Slot 4						COM:	12							
	Slot 5						COM:	13]		
	Slot 6					<u>Insta</u>	l driv	<u>er</u>	(Apply to	o I-811	2/8114/8	3142/814	14 series m	odules)	
	Slot 7					Step1:		_	Set		US VS	E MSA/ E COM)	MSBX x		
	Slot s	:can	(Refresh)	,		Step2:	Go to	"File	e">"Sa	ave an	id Rebo	ot" to e	nable dr	iver	

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