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How to set up a communication module (for ex. I-8112/I-8114/I-8142/I-8144) uses MSA (B...)

Platform	OS version	XPAC utility version
XPAC series	All versions (WinCE6)	All versions

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: Insert the multi-serial port module.

- 1.1. Insert the module into any slot
- 1.2. Power off the XPAC

1.4. Start the XPAC utility on the desktop, and then click the "Multi-IO Module" index page.

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XPAC Utility File Help IP Config M IP Config M IP Config M IP Config M IP Config M IF Conf	Image: second	Information Inform	Auto Execution	Rotary B Slot 1 MS MS MS MS MS MS MS MS MS MS	Execution Mult A1 A2 A3 A4 A4 A5 A6 A7 A8 B1 B1 B2 B3 B3 B4 B1 B2 B3 B4 B1 B2 B3 B4 B1 B2 B3 B4 B1 B1 B2 B3 B4 B1 B1 B2 B3 B4 B1 B1 B2 B3 B4 B1 B1 B1 B2 B3 B4 B1 B1 B1 B1 B1 B1 B1 B1 B1 B1 B1 B1 B1	i-IO Module	

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

2.1. Connect the two ports of I-8142 and execute the **SendCOMV35.exe** file located in

"\System_Disk\To<mark>o</mark>ls\SendToCO<mark>M</mark>".



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then open CC	DM Ports " MSA Baudrate D 115200 S	1" and "N 2009/06/ ata Bit	MSA2" (ea	Stop Bit	onding to a re	eal COM po	ort).
Commands Current Packet Total Packet By Packet Quantity	Size (bytes) 0 tes 0 y send 0	CR OC Responses Current Pack Total Packet Packet Quar	R O CRJ wet Size (bytes' Bytes htty received /15	F OF C	Auto send Interna Start sart Time Start Time Stop Time	Send Pollis ol (ms) Soo Stop Set e e	
Com Port MSA2 Fod string und Commands Current Packet Total Packet By Packet Quantit	None LF Size (bytes) 0 tes 0 y send 0	CR OC Responses Current Pad Total Packet Packet Quar	Parity Jone Parity IR O CR_ ket Size (bytes Bytes htity received	Stop Bit	tring Binary String Auto send Intern Start tart Time top Time	Open Close g Send Poli al (ms) 500 Stop Set ne ne	4
			3			Clea	r.
2.3. Use M	SA2 to send a	message	e to MSA1	and check	the result.		
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<complex-block></complex-block>		VVEIKAI	VEISION	1.0.0	Dale	2010/1/23	Faye	4/7
<complex-block></complex-block>	ICPDAS SE Connection S COM Port MSA2 End string w Commands Current Packet Packet Quant	ith None 9 None 9 None 9 None 6	Data Bit B O-N LF_CR Current Packet Current Packet Packet Quar	Inter a me	ssage in w	Auto send Internal Start Time Start T Stop 2. Press	en MSA2.	tton
<complex-block></complex-block>	Connection : COM Par	ind to COM Vi Status Baudrate		And 15	Stop Bi	È	Clear	
Iteration Control to COM V1.0.2 2009/06/15 Control Status Baudrate Data Bit Parity Stop Bit Open MSA2 115200 8 Parity 1 Iteration Stop Bit Close End string with None LF_CR CR_LF LF Binary String Feed Poling Commands Current Packet Size (bytes) 0 Start Stop Stop Start Stop Stop Start Stop Stop Stop Stop Clear Clear Stop Clear Clear Clear Stop Clear Clear	MSA1 End string v Commands Current Pack Total Packet Packet Quar	vith None vith None vites Size (bytes) 0 Bytes 0 tity send 0	B B Current I Total Pac Packet C	O-None Parity CR OCF es Packet Size (byt sket Bytes puantity receive		strin O Autos Start Start Time Stop Time	A1 receive ages from N Mal (ms) 50 Stop C t Time o Time	the MSA2
COM Port Baudrate Data Bit Parity Stop Bit Cose MSA2 IIS200 8 P-None Parity I III2345334 FCC End string with None LF_CR CR_CR_LF LF Binary String Send Polling Current Packet Size (bytes) 0 Current Packet Size (bytes) 0 Start Stop Set Port Start Stop Start Stop Set Start Stop Set Port Octal Packet Quantity received Cear Start Time Start Time Stop Time Stop Time Stop Time Stop Time Stop Time Cear 112345334 4 4 The messages Send by MSA2 Cear Cear Cear Start Time Start Time Stop Time Cear Cear Cear	ICPDAS S	end to COM VI Status	1.0.2 2009/	06/15			Open	
End string with None LF_CR CR_F LF III 2345334 III 2345334 Current Packet Size (bytes) Current Packet Size (bytes) Duiling Auto send Internal (ms) S0 Total Packet Bytes Diling Packet Quantity received Start Clear Start Time Start Time Stop Time Ital Packet Bytes Stop Time Packet Quantity received Clear Ital Packet Bytes Stop Time Stop Time Stop Time Stop Time Stop Time Stop Time Clear	COM Por MSA2	t Baudrate	Data Bit	Parity 0-None Parity	Stop B	it	Close	5
4. The messages send by MSA2	End string of Commands Current Pacl Total Packet Parton Star	with None Ket Size (bytes) 9 Bytes 57 ptity send 7	Current Total Pa Packet C	CR CC es Packet Size (byl cket Bytes Quantity receive	R_LF LF	112345334 Binary S Auto send In Start Start Time Stop Time Stop	String [Send] ternal (ms) S Stop (rt Time p Time	+CRC Polling DO Set
ow to get the name of COM Ports	112345334	4. The send b	messages by MSA2					
ow to get the name of COM Ports								Clear

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Overview

The maximum number of expanded COM port on communication modules supported is up to 28. The 28 COM ports will be named in order of **MSA1~MSA8**, **MSB1~MSB8**, **MSC1~8** and **MSD1~8** since insert multi-serial port module.

To use the COM ports, you need assign the com port name as belows: **VB.net:** Dim port As SerialPort = New SerialPort("MSA1") **C#:** System.IO.Ports.SerialPort port = new System.IO.Ports.SerialPort("MSA1"); **VC:** HANDLE hport=CreateFile(_T("MSA1:"),.....);



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

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

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Step 2: The COM ports are grouped in the slot that the module plugged.

