

WP – 8X4X Version 1.3.0.3 Release Note

Overview

The latest version of OS image for WP-8x4x series provides the multi-serial port module driver and configuration using the WinPAC utility Ver.2.0.0.5.

The New I/O module including (I-8088W, I-8084W and I-8172W) can be used on WP-8x4x series.

Latest Version:

OS Version 1.3.0.3

Eboot Version 1.0.5.5

How to update Eboot and OS

Refer to [WinPAC-8000_Version_1.2.1.0_Release_Note.pdf](#) for more detail to updating the Eboot and OS.

Header files and library files for desktop:

WinPACSDK (PAC270_SDK_20090122.msi) provides an application developer with the information necessary to develop an EVC or .Net Framework application specifically for WinPAC series.

- WinPACSDK.h is moved to the C:\Program Files\Windows CE Tools\wce500\PAC270\ICPDAS\Include from C:\Program Files\Windows CE Tools\wce500\PAC270\ Include
- WinPACSDK.lib is moved to the C:\Program Files\Windows CE Tools\wce500\PAC270\ ICPDAS\Lib from C:\Program Files\Windows CE Tools\wce500\PAC270\Lib

[Warning] After executed the .msi program, it will show a dialog ask you where do you want to install. We recommend you use the default setting, if you want to change the location, you should check your evc link path match up you setting.

[Brief Description]

This latest version (PAC270_SDK_20081128.msi) includes following files:

–WinpacSDK.lib: 1.0.7.8

–WinconSDK.lib: 2.2.0.10

The two files will be copied to c:\Program Files\Windows CE Tools\wce500\PAC270\ ICPDAS \Lib\

–WinpacSDK.h: 1.0.7.5

–PACERROR.h: 1.0.7.5

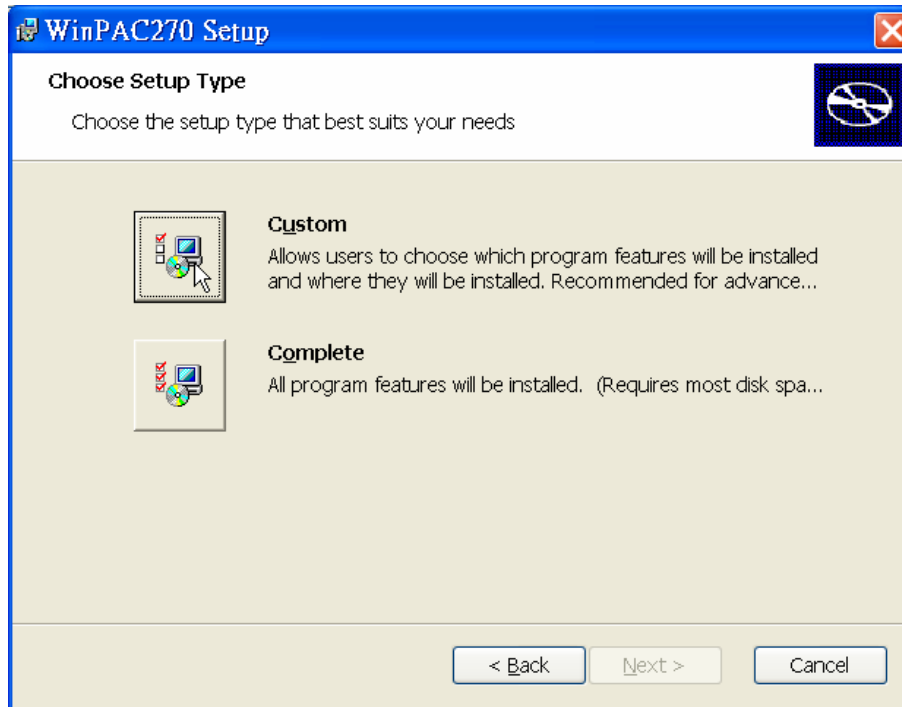
–WinconSDK.h: 2.2.0.10

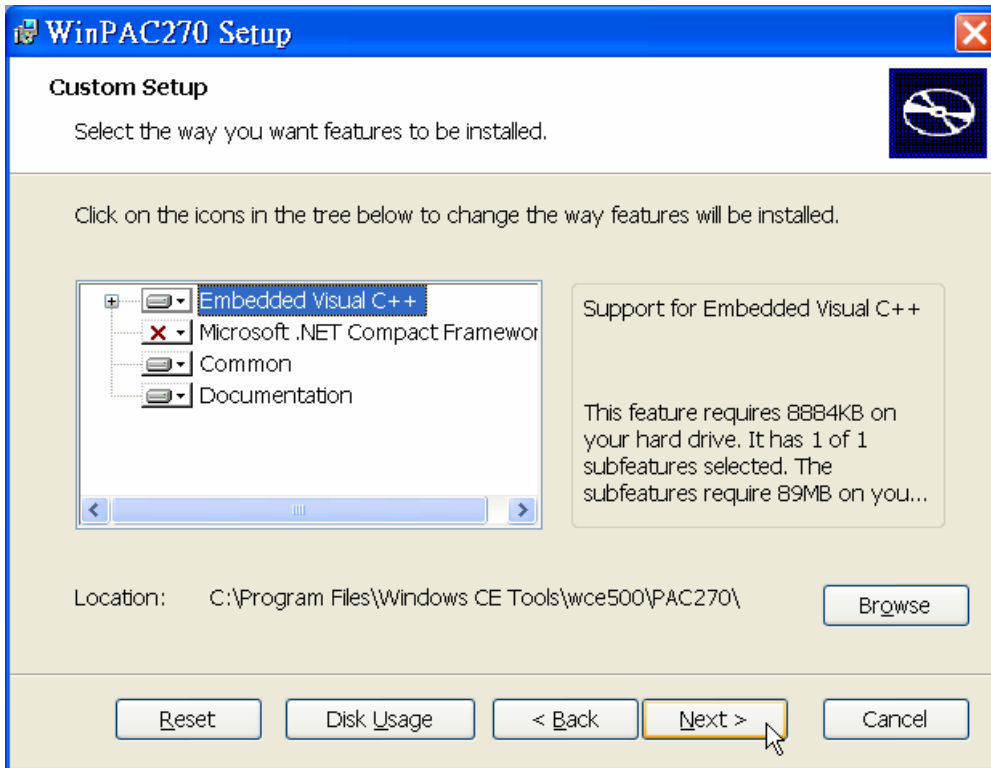
The three files will be copied to c:\Program Files\Windows CE Tools\wce500\PAC270\ ICPDAS \Include\

Update PAC270_SDKyyyyymmdd.msi

Only Install SDK for developing EVC application.

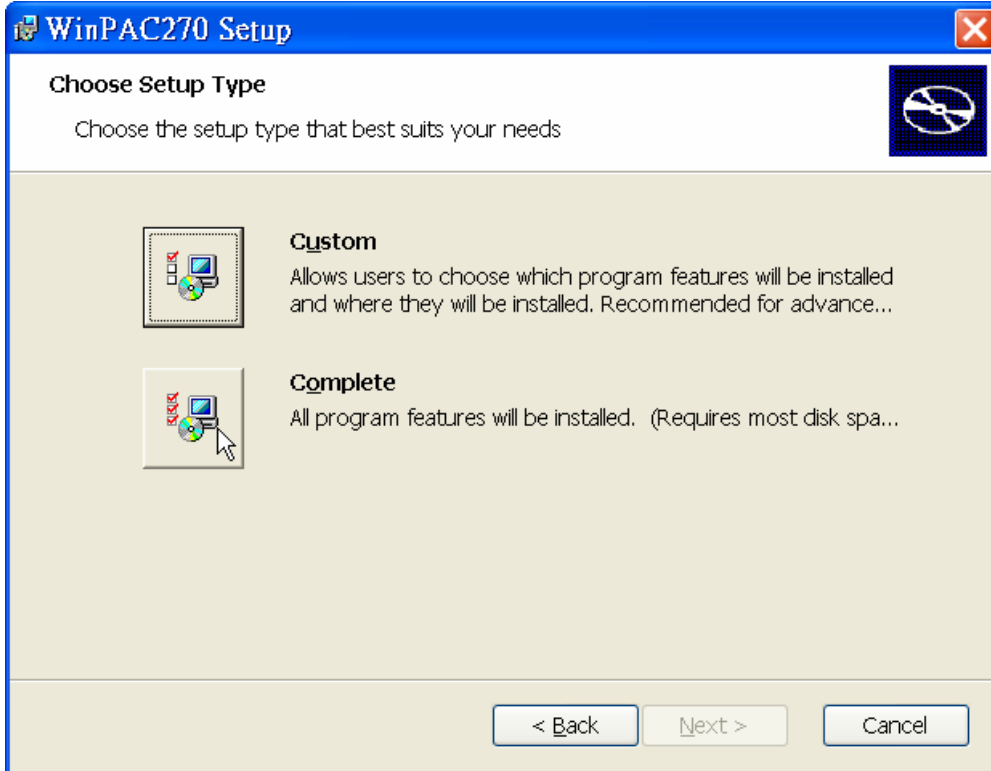
Please click “Custom” button and then click Next button

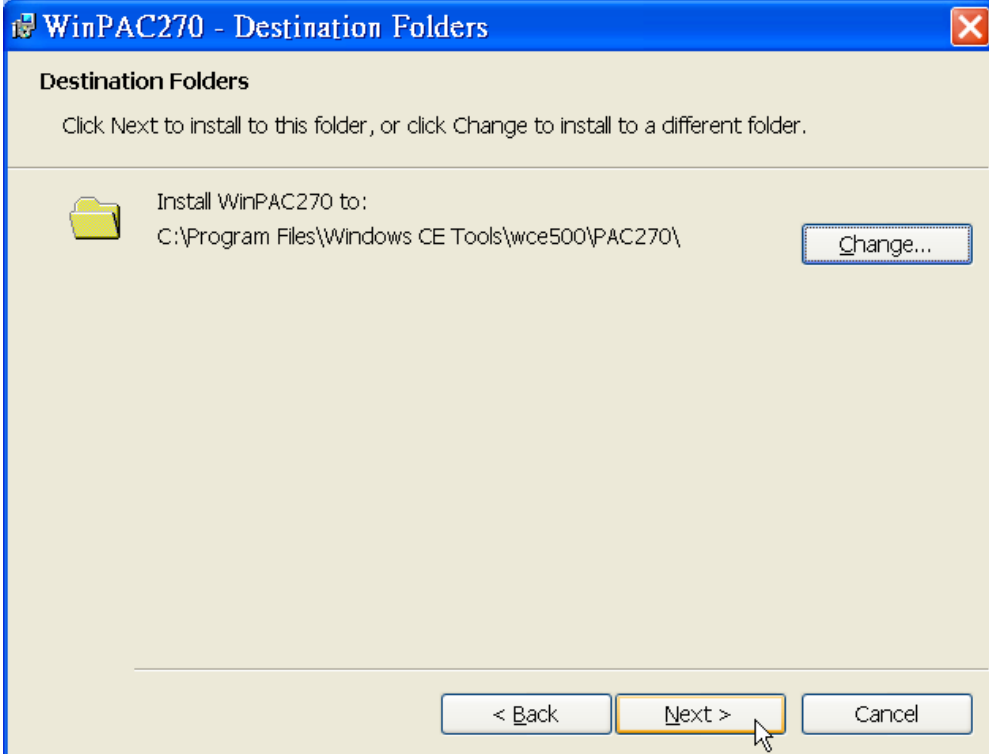




Install SDK for developing EVC and .Net Framework application

Click **Complete** button

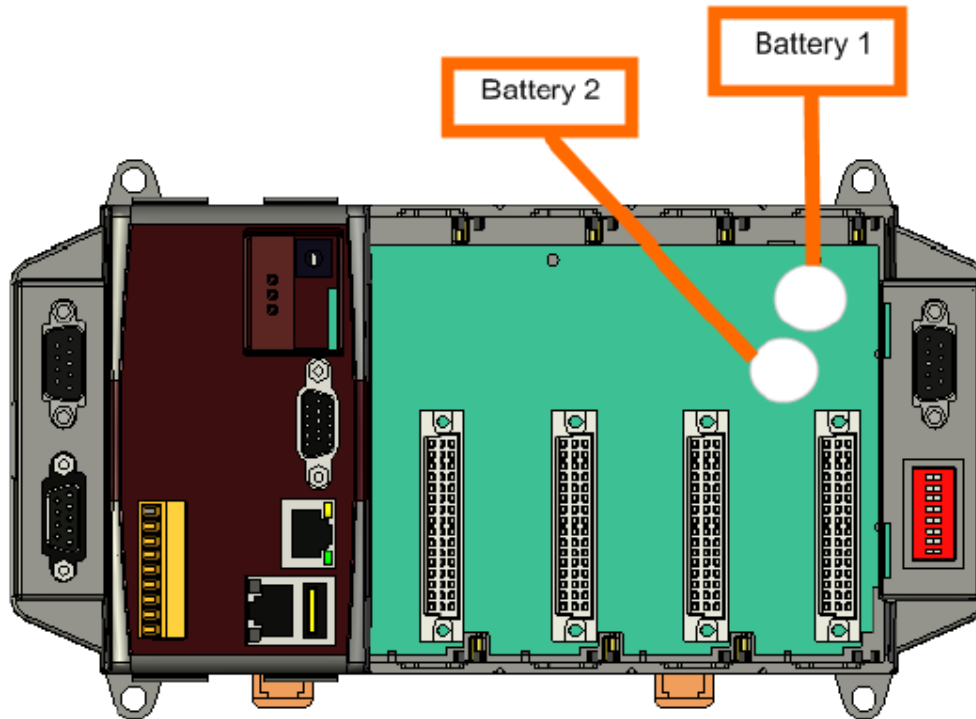




WinPac_Utility

Latest Version: 2.0.0.5

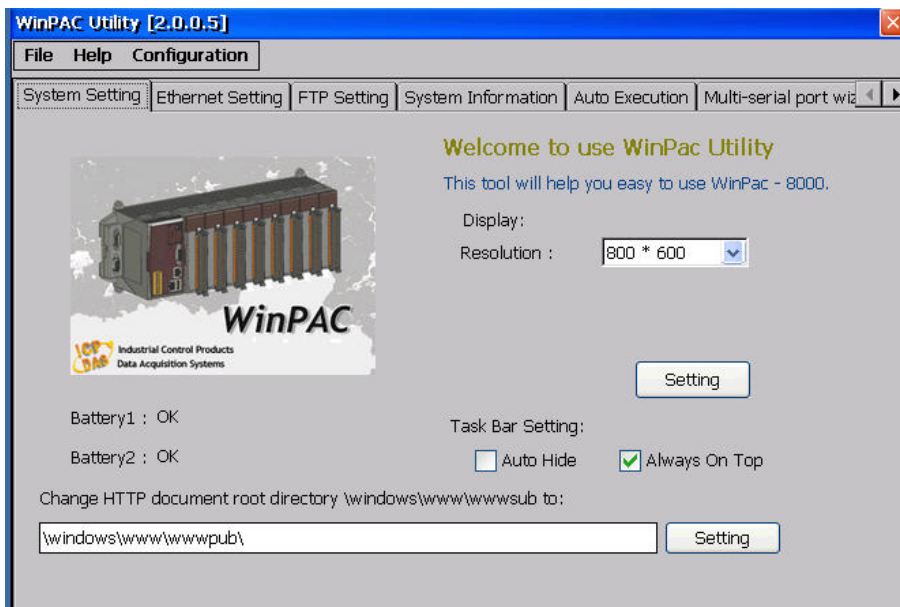
Backplane battery capacity Indicator



Battery Status

OK: The power is enough.

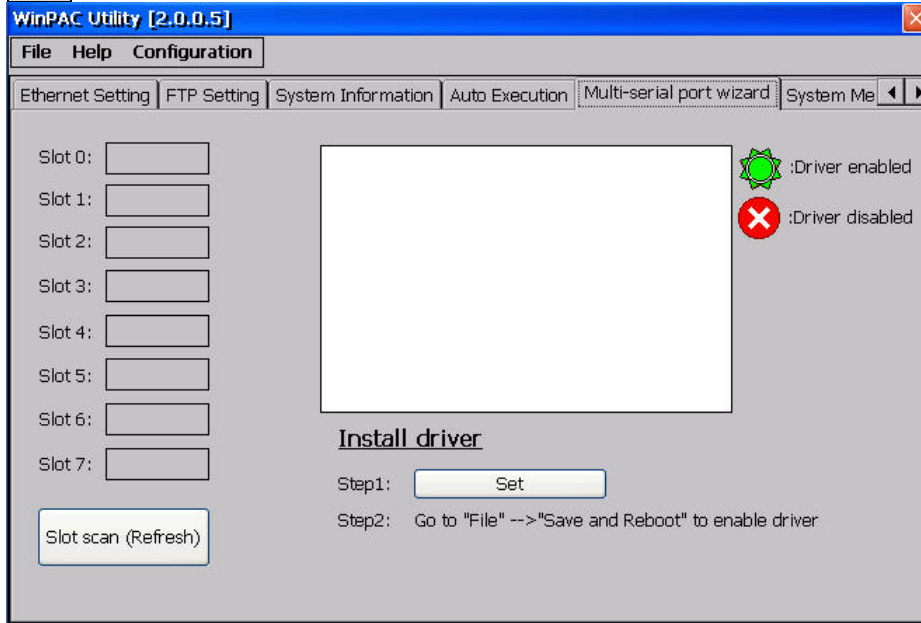
Need to change(low power): The power is not enough, please change the battery.



Multi-serial port module (i-8114iW/i-8112iw/i-8144iw/i-8142iw) configuration

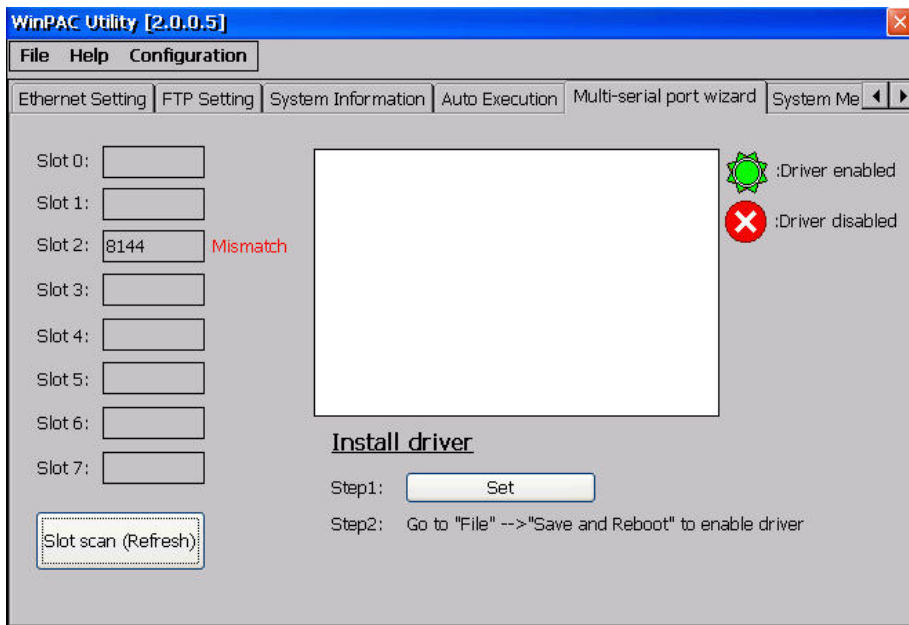
Install the multi-serial port module on WinPAC8000

Step1: No module in slot and no multi-serial port driver been enabled

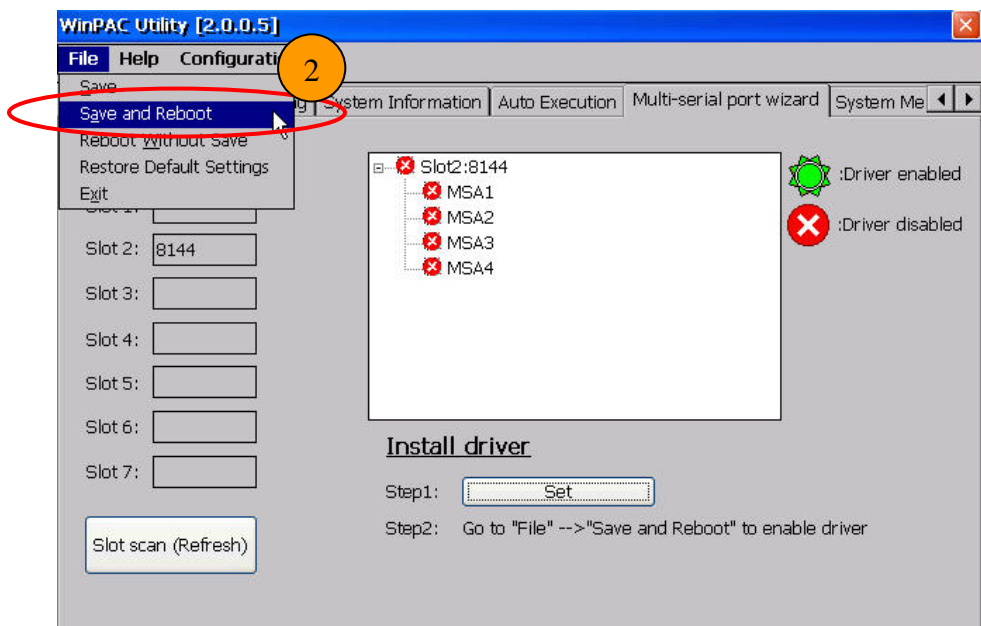
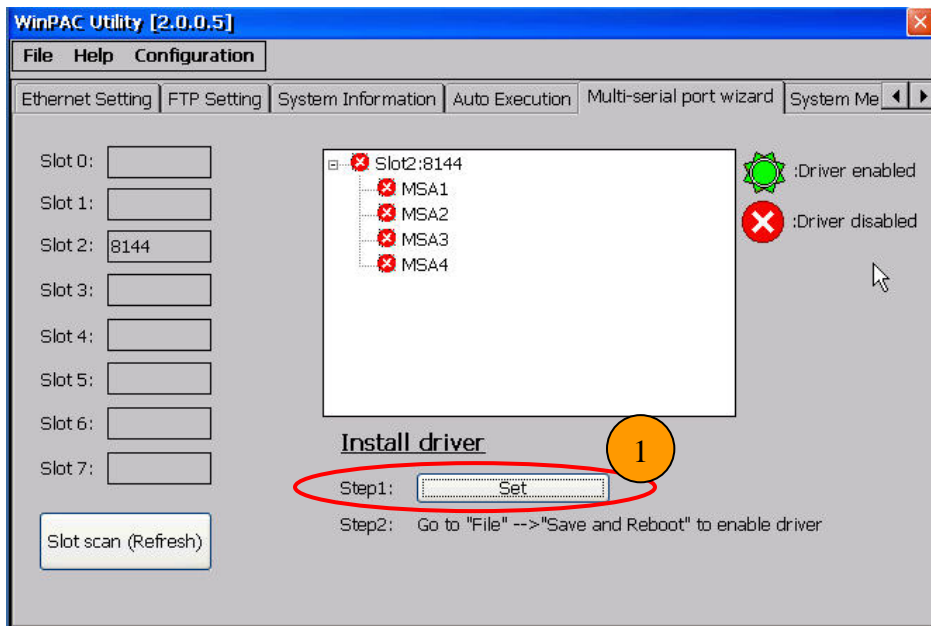


Step2: Put an I-8144iw module in slot2.

Step3: Press "Slot scan (Refresh)" button to scan. The driver doesn't yet be enabled and the warning "Mismatch" will flash.

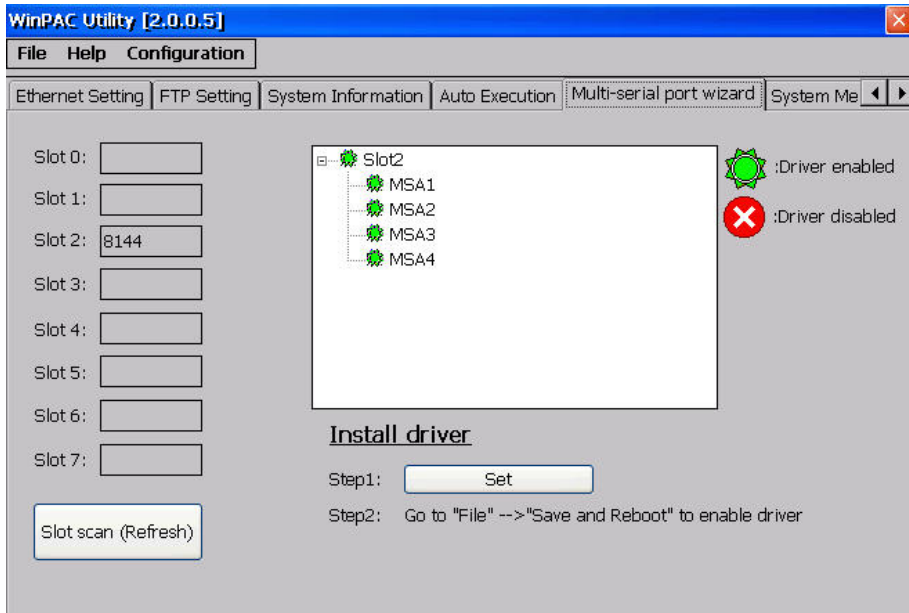


Step4: Press "Set" button and "File" → "Save and Reboot" to install driver.



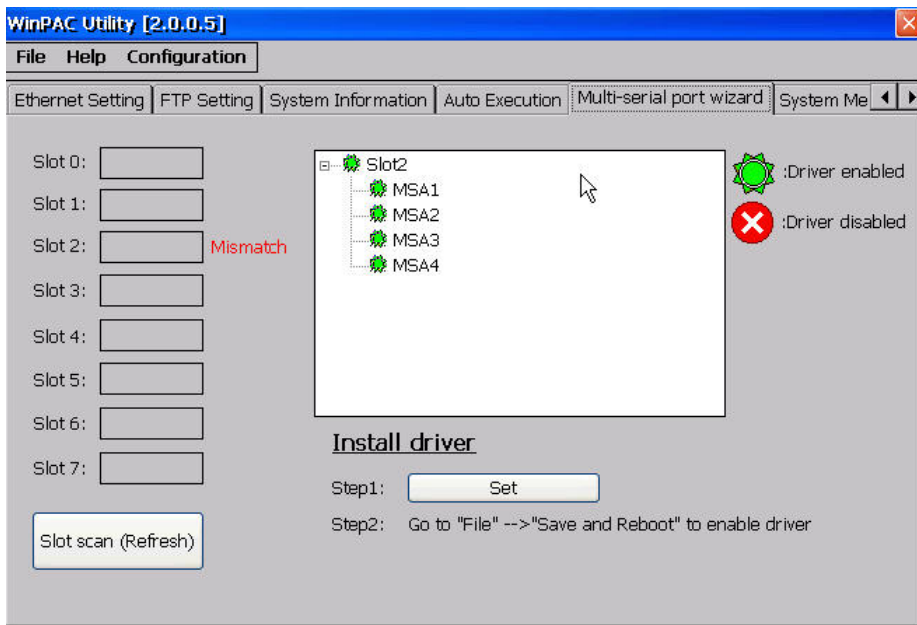
Step5: After reboot, the driver will be installed and enabled.

Normal status shown on the figure below



Abnormal status shown as follow

(1): The multi-serial port driver has been enabled but no module in slot. The warning “Mismatch” will be shown and flashed.

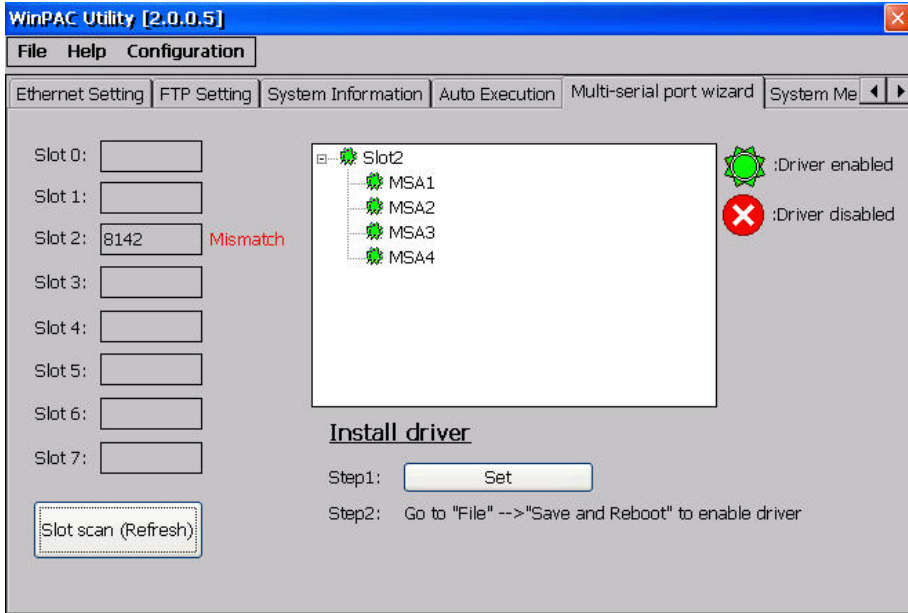


Solution: (Stop the warning “Mismatch”)

1. Put a module with four serial ports in Slot2 and press “Slot scan (Refresh)” button.

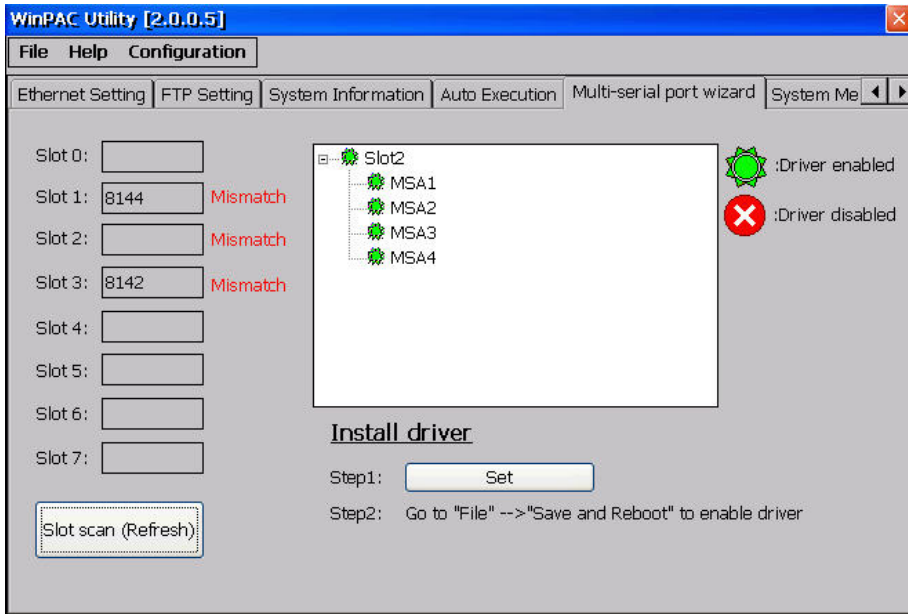
(2): The driver is for modules with four serial ports (For example: I-8114iw/I-8114W/I-8144iW)

But there is a wrong module in slot. The warning “Mismatch” will be shown and it will flash.



Solution: (Stop the warning “Mismatch”)
1. Put a module with four serial ports in Slot2 and press “Slot scan (Refresh)” button.

(3): There is no specified module in Slot2 and some multi-serial port drivers don't yet be installed and enabled. The warning “Mismatch” will be shown and it will flash.



Solution: (Stop the warning "Mismatch")

Method1:

Remove 8144 and 8142.

Put a module with four serial ports in Slot2 and press "Slot scan (Refresh)"

Method2: (Re-install driver.)

Press "Set" button and then click "File" → "Save and Reboot" to install driver.

Support New I/O Module

Refer to http://www.icpdas.com/products/PAC/winpac/io_support_list.htm for more details regarding the latest I/O modules support status

1. Manual Location

ftp://ftp.icpdas.com/pub/cd/winpac/napdos/wp-8x4x_ce50/document/sdk_document/

2. Library Location

eVc : ftp://ftp.icpdas.com/pub/cd/winpac/napdos/wp-8x4x_ce50/sdk/io_modules/evc/

.Net : ftp://ftp.icpdas.com/pub/cd/winpac/napdos/wp-8x4x_ce50/sdk/io_modules/dotnet/

3. Demo Location:

eVC :

ftp://ftp.icpdas.com/pub/cd/winpac/napdos/wp-8x4x_ce50/demo/winpac/evc/pac_io/local/

.NET :

ftp://ftp.icpdas.com/pub/cd/winpac/napdos/wp-8x4x_ce50/demo/winpac/dotnet/c%23pac_io/local/

I-8088W Demo

The screenshot shows a software window titled "I-8088W PWM demo". The window has a blue title bar with standard Windows controls (help, OK, close). The main area is a light gray dialog box with the following elements:

- Text: "I-8088W card in 6 slot"
- Dropdown menu: "Select i-8088W slot" with the value "6" selected.
- Dropdown menu: "Set PWM Mode" with "Burst Count" selected.
- Text input field: "Input Burst Count (0-65535)" with the value "5000".
- Section header: "Set PWM Duty"
- Three radio button options:
 - Set Normal Integer Duty, for example 50 means 50% duty
 - Set x10 Integer Duty, for example 500 means 50.0% duty
 - Set float Duty, for example 50.0 means 50.0% duty
- Text input fields for the selected option:
 - "Input Hz (1~450000)" with value "5000"
 - "Input duty (1~99)" with value "66"
- Section header: "Start or Stop PWM"
- Six radio button options:
 - Start PWM
 - Stop PWM
 - Set Synchronous PWM
 - Stop Synchronous PWM
 - Set Hardware Trigger PWM
 - Stop Hardware Trigger PWM
- Button: "Execute"

I-8084W Demo

pac_i8084WDemo OK

Select I-8084W slot index:

Select Channel Mode	Counter Value [Max] [Min]	DI	XOR	F.Moc	F.Timeout	PF Status	LPF us	
CH:0	<input type="text" value="100000"/>	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text" value="10000"/>	<input type="checkbox"/>	<input type="text" value="1"/>	<input type="button" value="Config Ch0, 1"/>
CH:1	<input type="text" value="100000"/>	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text" value="10000"/>	<input type="checkbox"/>		<input type="button" value="Config Ch2, 3"/>
CH:2	<input type="text" value="100000"/>	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text" value="10000"/>	<input type="checkbox"/>	<input type="text" value="1"/>	
CH:3	<input type="text" value="100000"/>	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text" value="10000"/>	<input type="checkbox"/>		
CH:4	<input type="text" value="100000"/>	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text" value="10000"/>	<input type="checkbox"/>	<input type="text" value="1"/>	<input type="button" value="Config Ch4,5,6,7"/>
CH:5	<input type="text" value="100000"/>	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text" value="10000"/>	<input type="checkbox"/>		
CH:6	<input type="text" value="100000"/>	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text" value="10000"/>	<input type="checkbox"/>		
CH:7	<input type="text" value="100000"/>	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text" value="10000"/>	<input type="checkbox"/>		

I-8024W Demo

pac8024Demo OK X

Select 8024 slot index:

Select Channel:

Select Output Type:

Analog Output Value: Output Voltage(+/- 10.0)

