How to migrate the WinPac program to XPAC

Applies to:

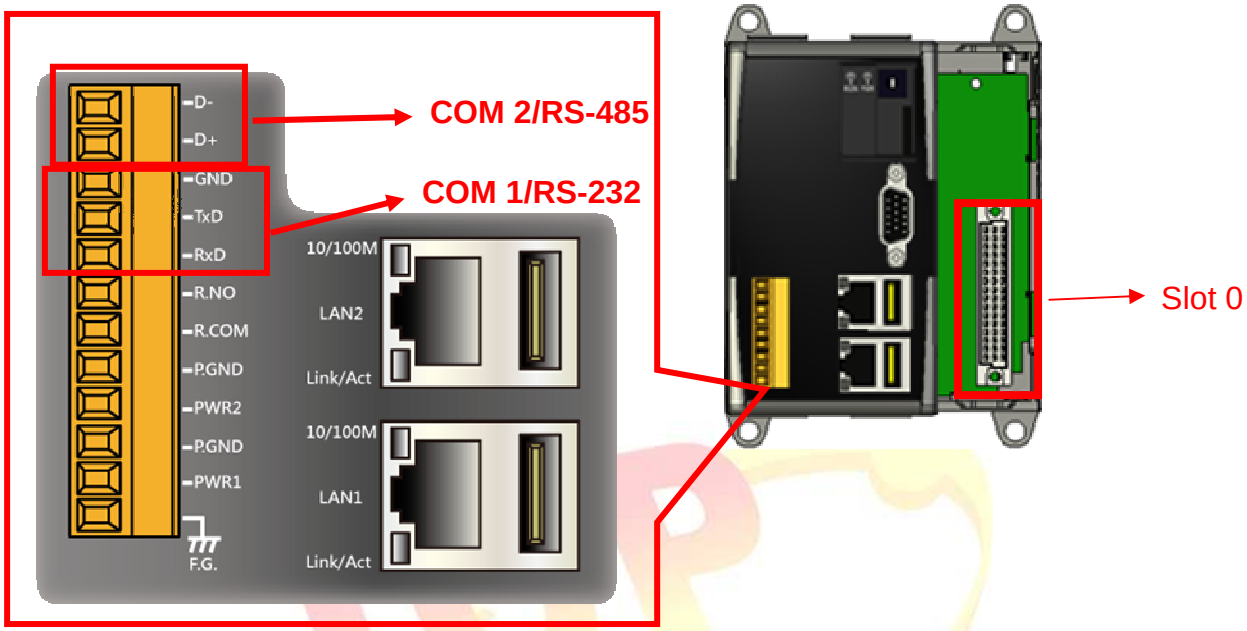
Platform	*OS version*	*XPAC utility version*
XPAC series	*All versions (WinCE6)*	*All versions*

Before migrating WinPAC programs to XPAC, please familiarize yourself with the different specifications for XPAC and WinPAC. The definition of the first slot on WinPAC is 0, whereas the first slot on XPAC is defined as 1. In addition, the definitions of the COM port order are different.

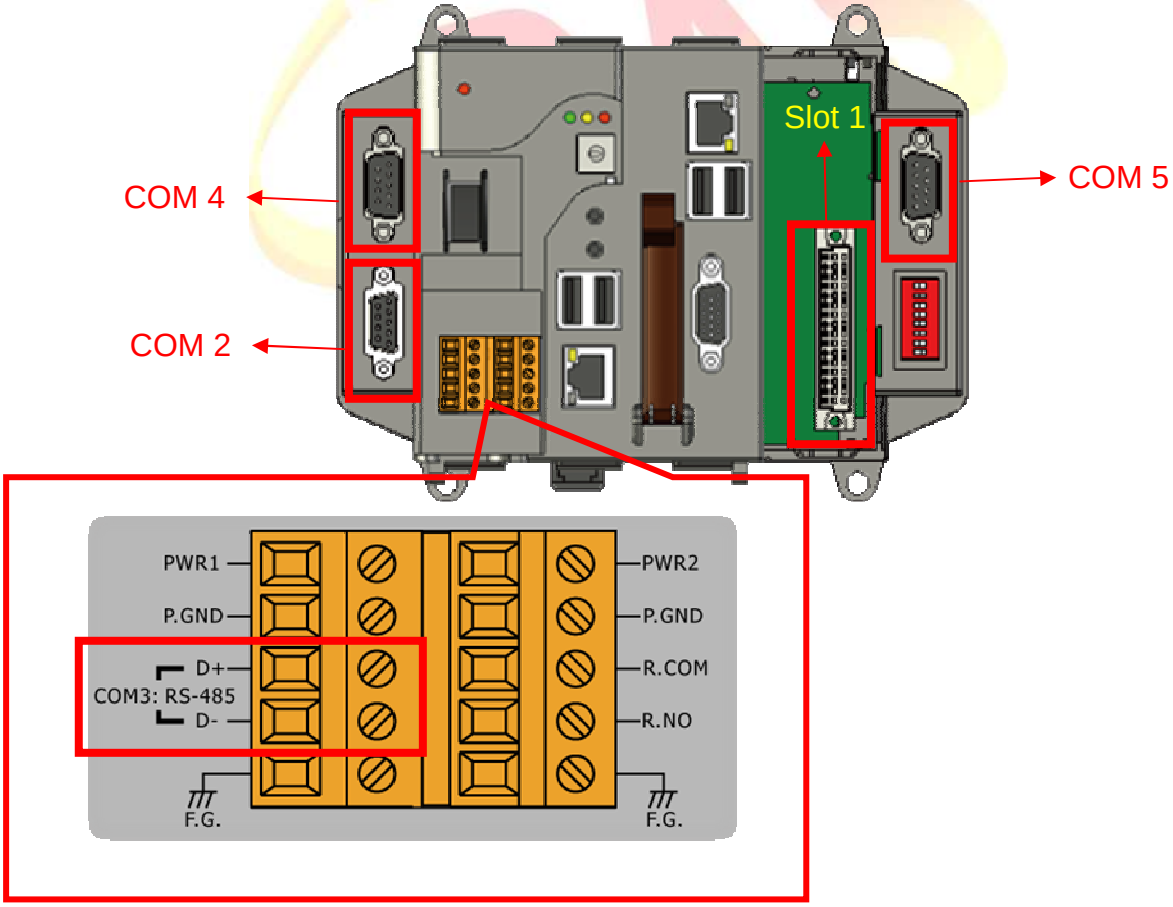
A comparison table of XPAC and WinPAC is shown in following table and diagrams.

	WP-8131	WP-8431	WP-8831	WP-8141	WP-8441	WP-8841	XP-8141	XP-8341	XP-8741
First Slot	0	0	0	0	0	0	1	1	1
COM 0	Used for backplane	Used for backplane	Used for backplane	Used for backplane	Used for backplane	Used for backplane	N/A	N/A	N/A
COM 1	RS-232	RS-232	RS-232	RS-232	RS-232	RS-232	Used for backplane	Used for backplane	Used for backplane
COM 2	RS-485	RS-485	RS-485	RS-485	RS-485	RS-485	RS-232	RS-232	RS-232
COM 3	N/A	RS-232/ RS-485	RS-232/ RS-485	N/A	RS-232/ RS-485	RS-232/ RS-485	RS-485	RS-485	RS-485
COM 4	N/A	RS-232	RS-232	N/A	RS-232	RS-232	RS-232	RS-232	RS-232
COM 5	N/A	N/A	N/A	N/A	N/A	N/A	RS-232	RS-232	RS-232

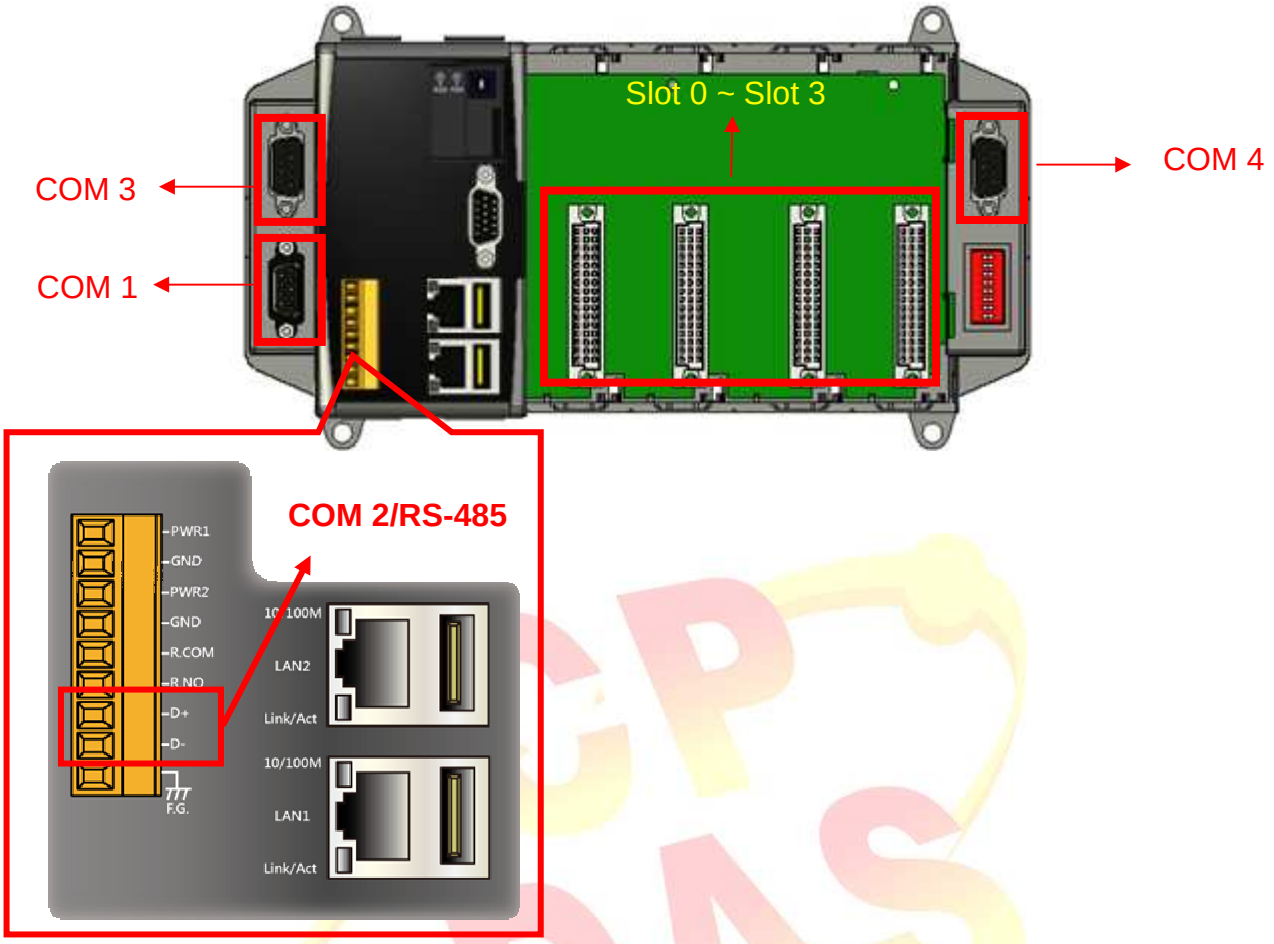
WP-8131



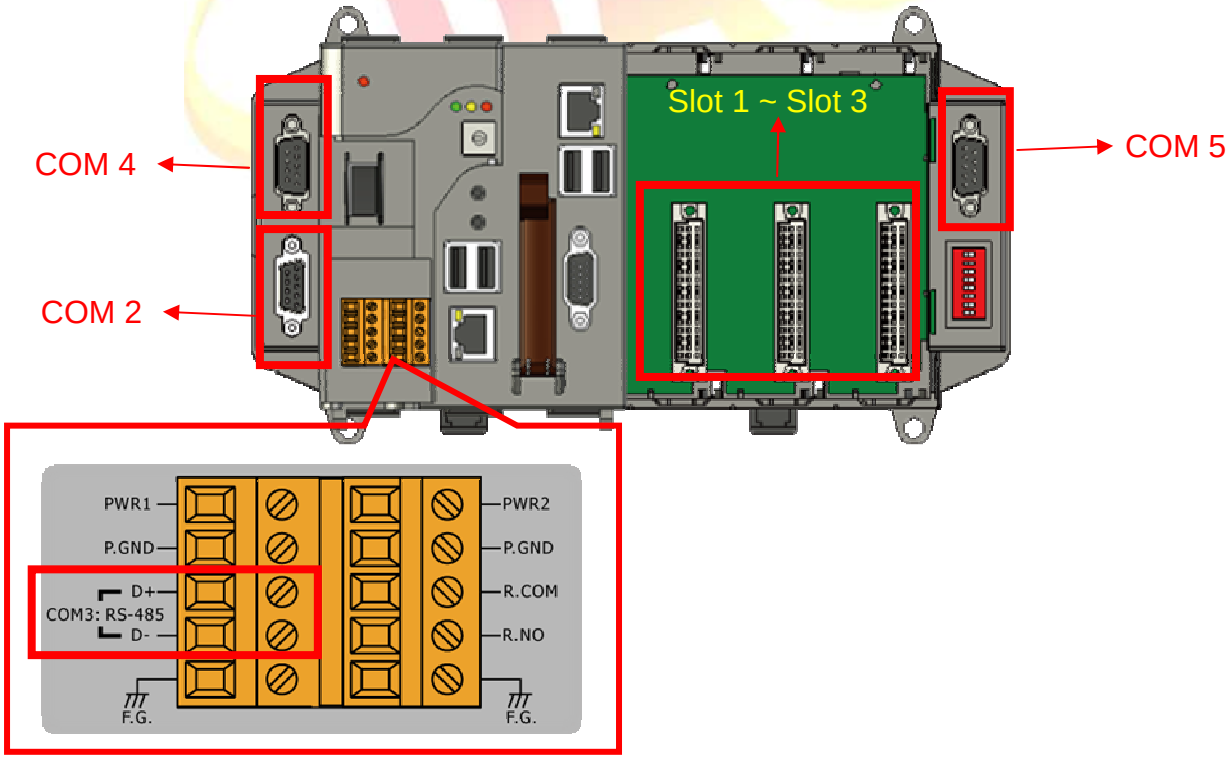
XP-8141



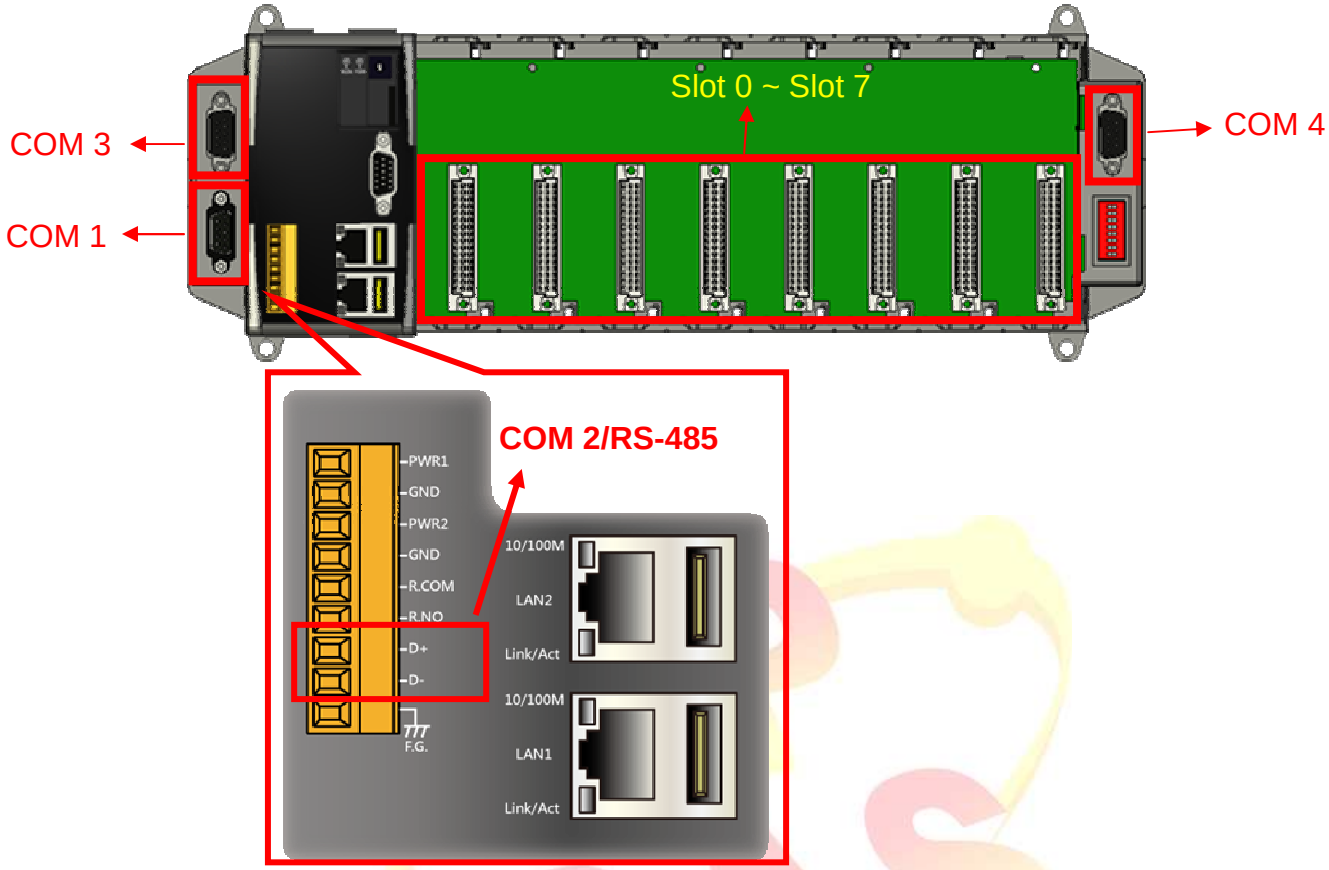
WP-8431



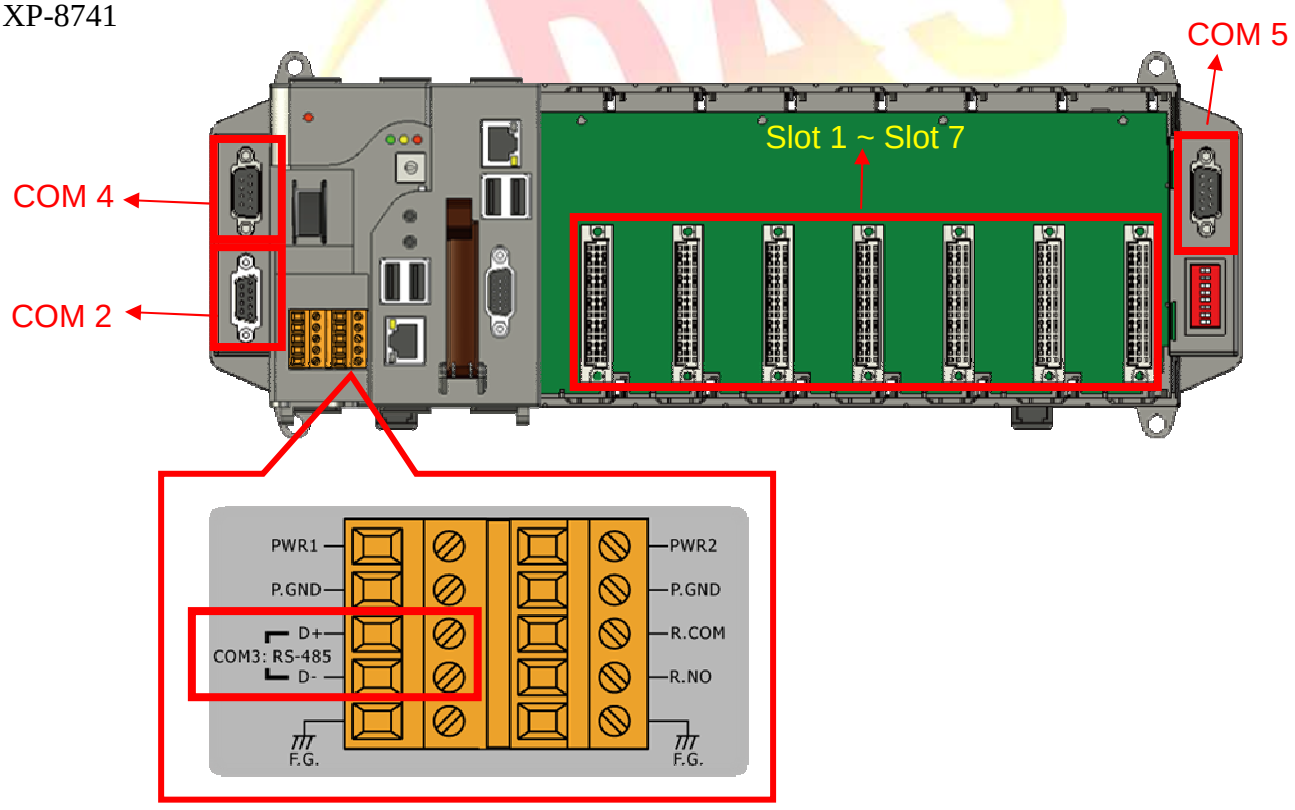
XP-8341



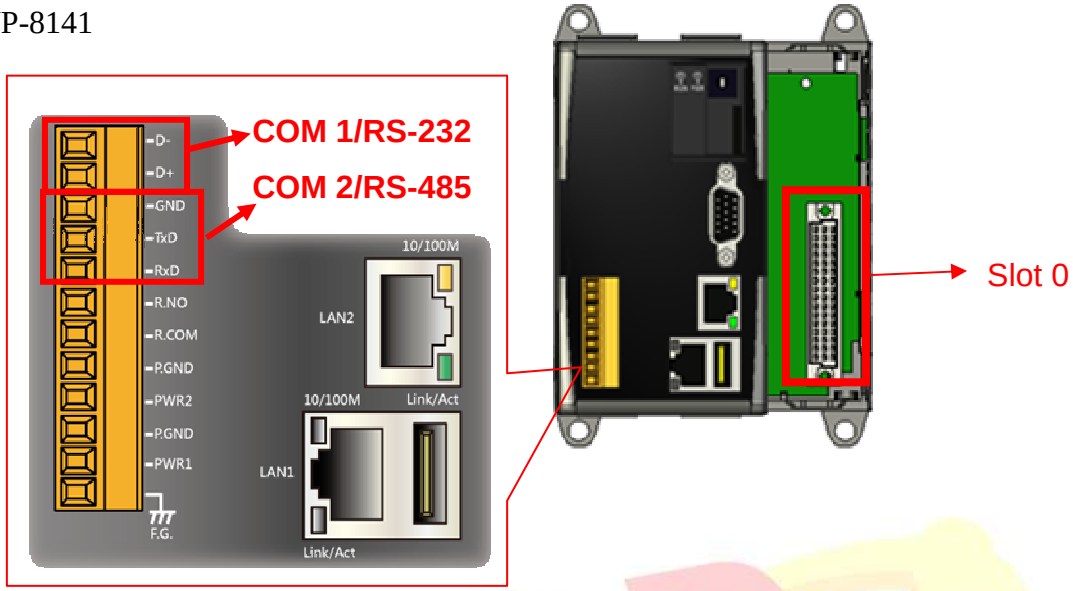
WP-8831



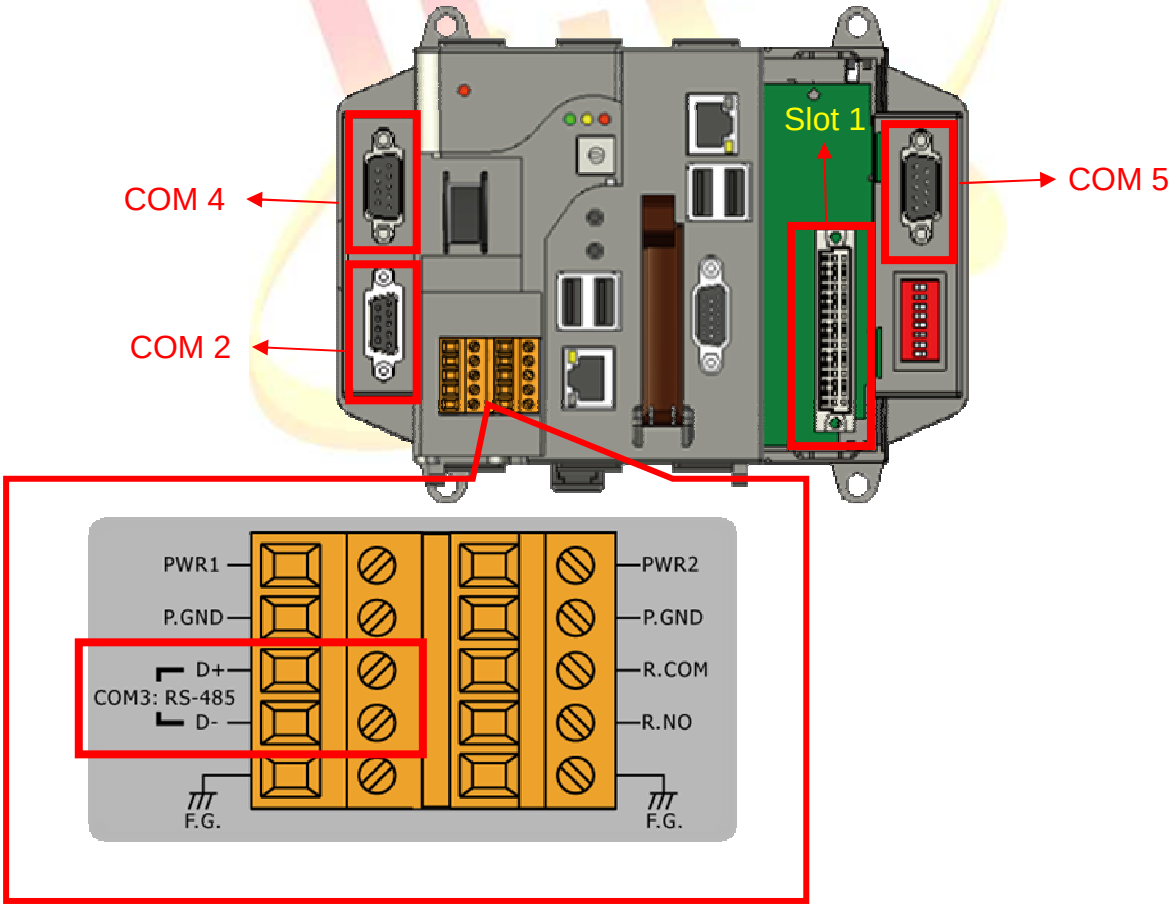
XP-8741



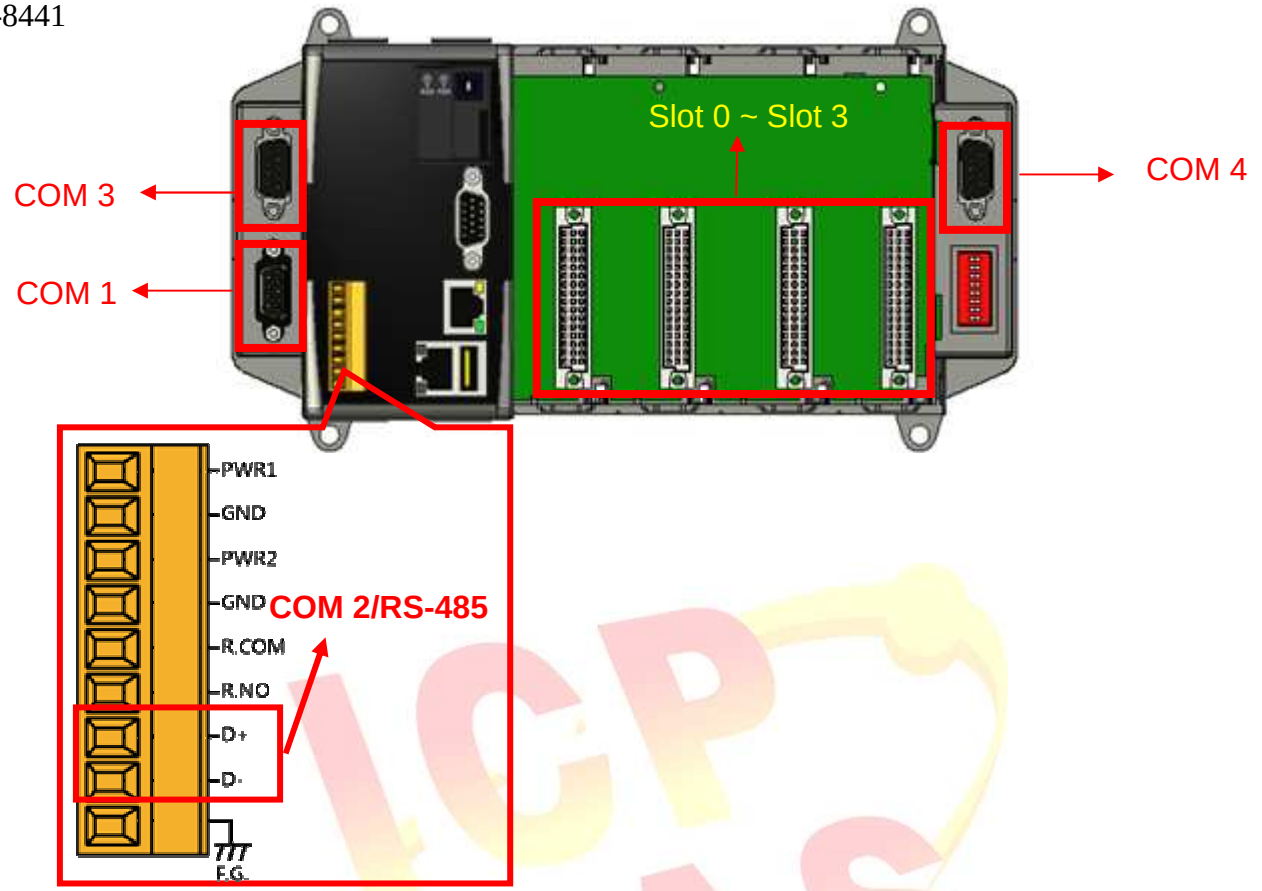
WP-8141



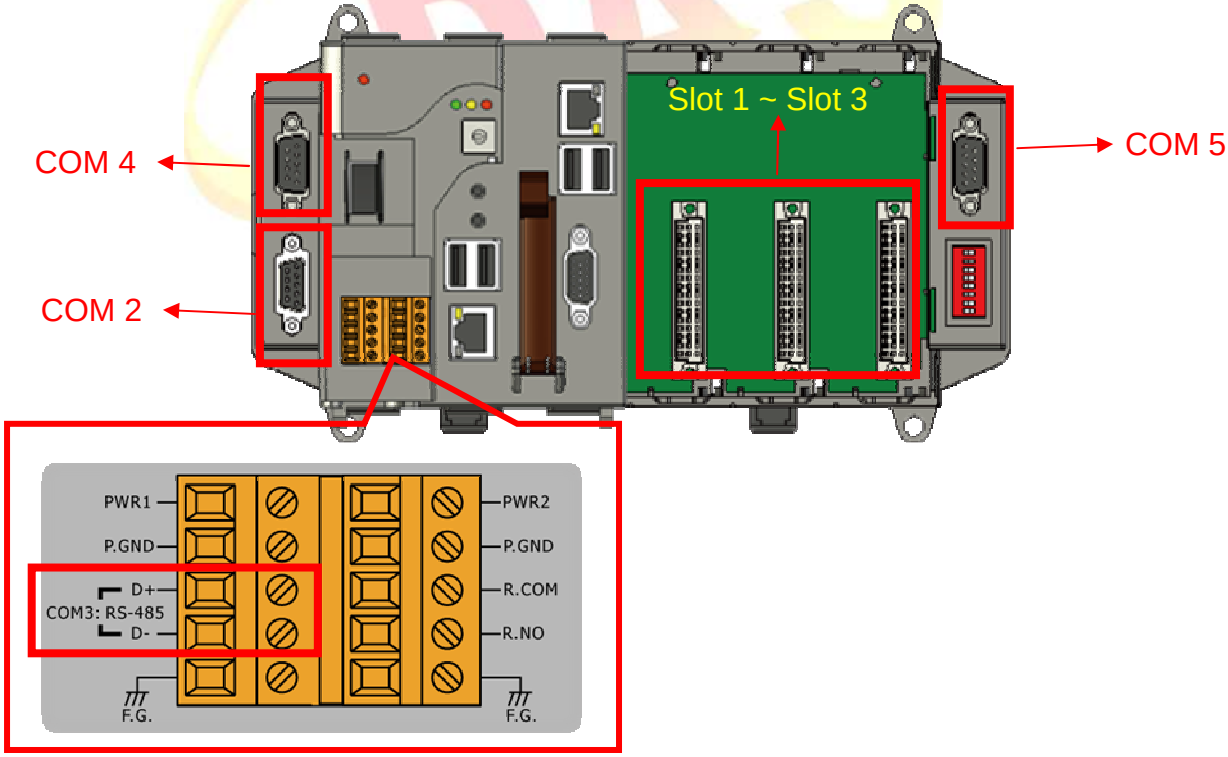
XP-8141



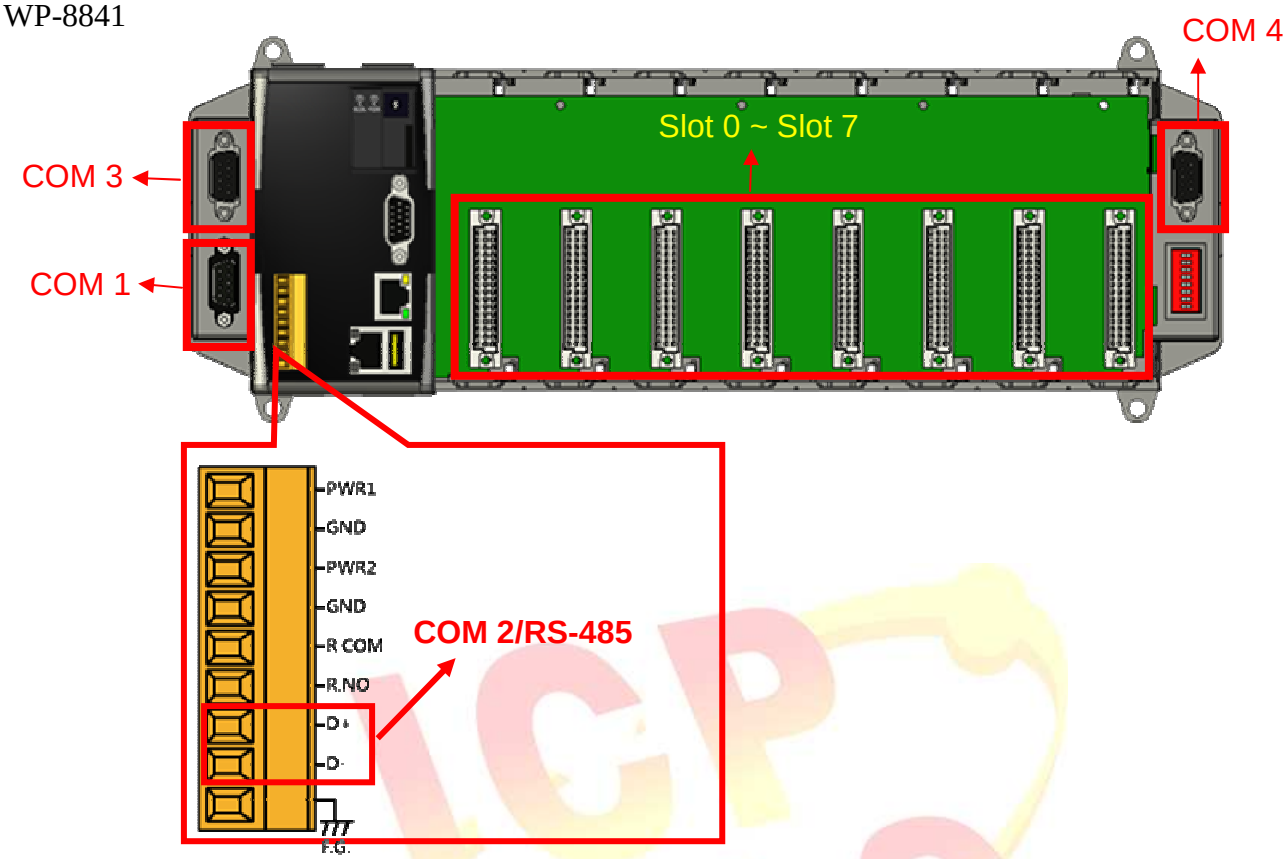
WP-8441



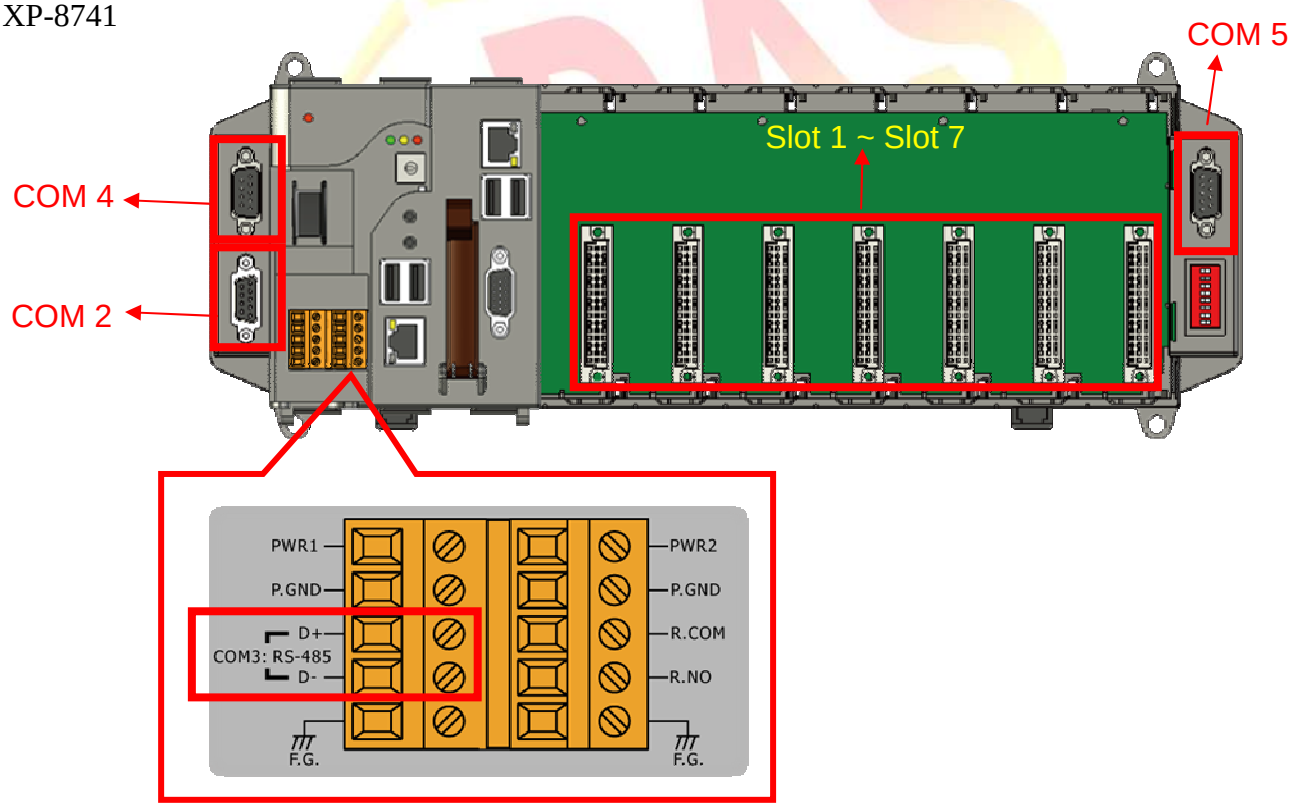
XP-8341



WP-8841



XP-8741



For example, if COM1 and Slot 0 are used in a WinPAC program that is migrated to XPAC, COM1 must be changed to COM2 and Slot 0 changed to Slot 1. The WinPAC SDK must be replaced with XPACSDK.

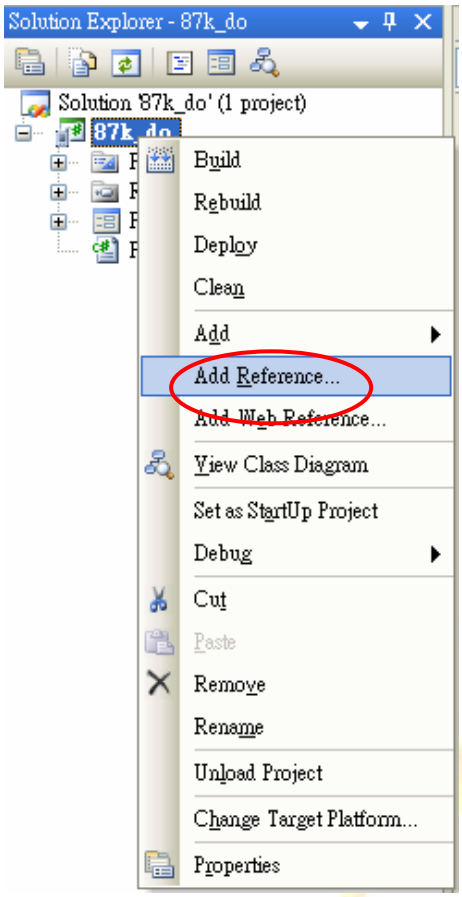
Following procedure describes how to modify a WinPAC-based C# and VB.NET program for use with XPAC.

However, instructions for an eVC program will not be included as programs developed using this environment cannot be accurately migrated to a WinCE6.0 environment. It is recommended that developers wishing to migrate an eVC program to XPAC use VC++.Any developer that requires their eVC program to be modified fr use with XPAC should forward their source code to ICPDAS and our engineers will do the modifications for them.

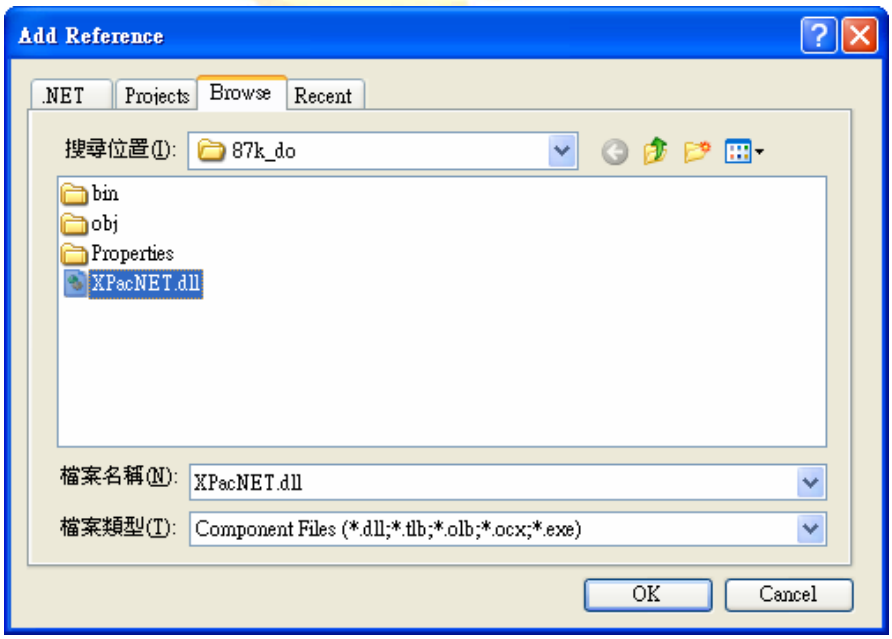
Modifying a WinPAC C# Program (87k_do as an example)

Step 1: Get the XPACNet.dll file and copy it to the project folder. The XPACNet.dll can be obtained from the folder for any C# demo program that is provided on the CD, or by downloading the latest version from the ICP DAS web site.
ftp://ftp.icpdas.com/pub/cd/XP-8000-Atom-CE6/SDK/XPacNet/

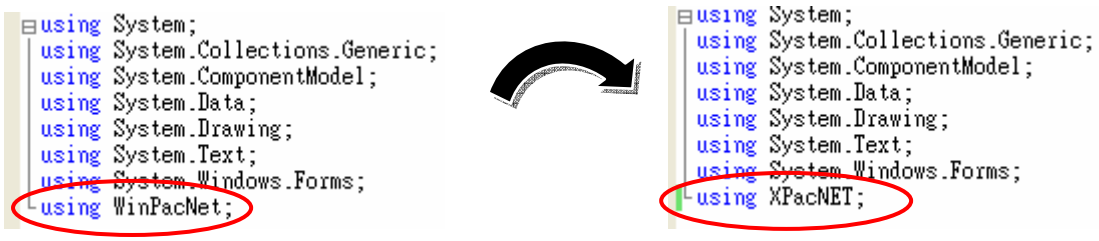
Step 2: Open the 87k_do project file. In the Solution Explorer panel, right-click the References node of 87k_do project, and select the “Add Reference…” option.



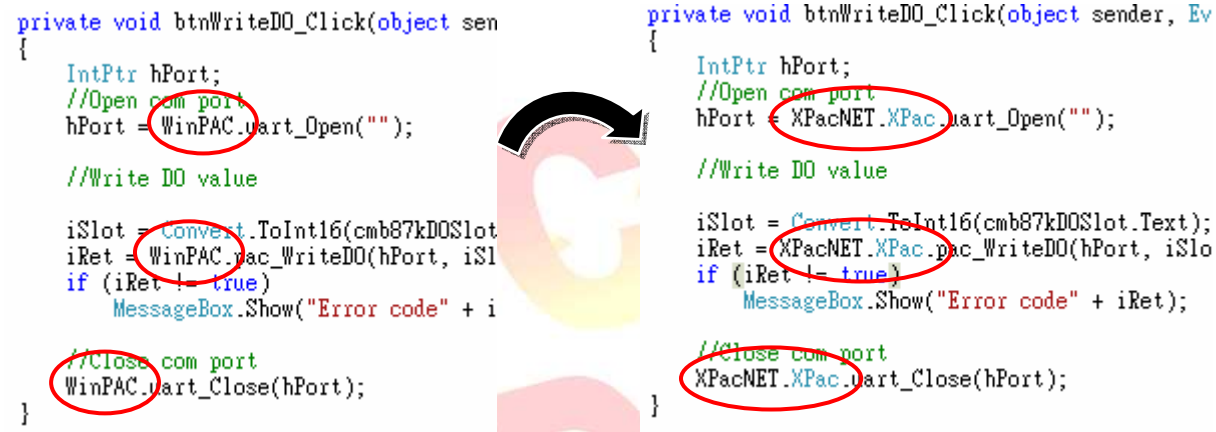
Step 3: In the “Add Reference” dialog box, select the Browse tab to add the XPacNET.dll library file. Navigate to the project source folder to select the File name and click the “OK” button.



Step 4: Open Form1.cs file from the 87k_do project folder. Modify “the code using WinPacNet” to “using XPacNET”.

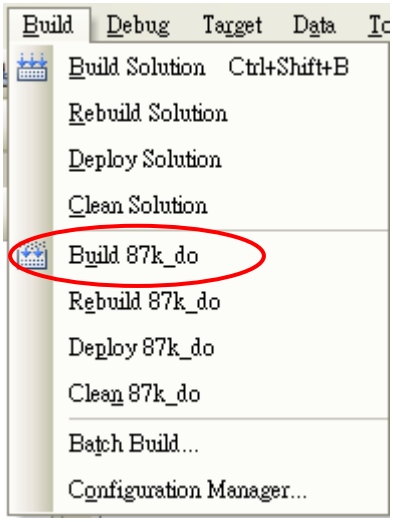


Step 5: Modify all code of “WinPac” in your code to “XPacNET.XPac”



Step 6: Change the Target device field to “XPacSDK_CE6 x86 Device”.

Step 7: From the Build menu, select the Build option for your program.

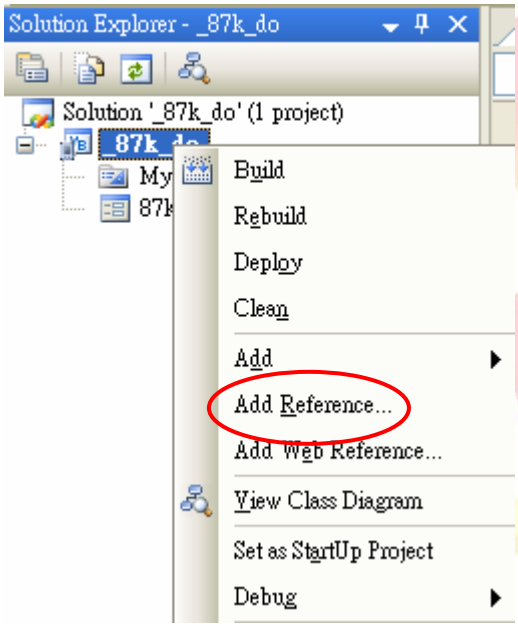


Step 8: Transfer both the build *.exe file and XPacNET.dll file to your XPAC device and then execute them.

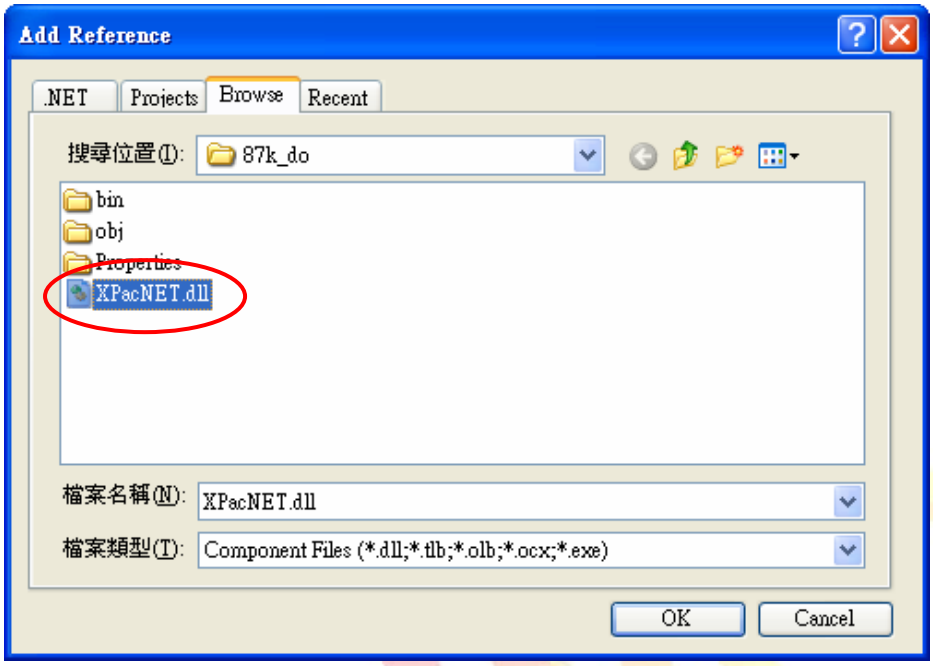
Modifing a WinPac VB.NET Program

Step1: Get the XPacNet.dll and copy it to the project folder. The XPacNet.dll can be obtained from any C# demo program that has been provided on the CD or by downloading the latest version from ICP DAS web site.
ftp://ftp.icpdas.com/pub/cd/XP-8000-Atom-CE6/SDK/XPacNet/

Step 2: Open the 87k_do project file. In the Solution Explorer panel, right-click the References node of 87k_do project, and select the “Add Reference…” option.

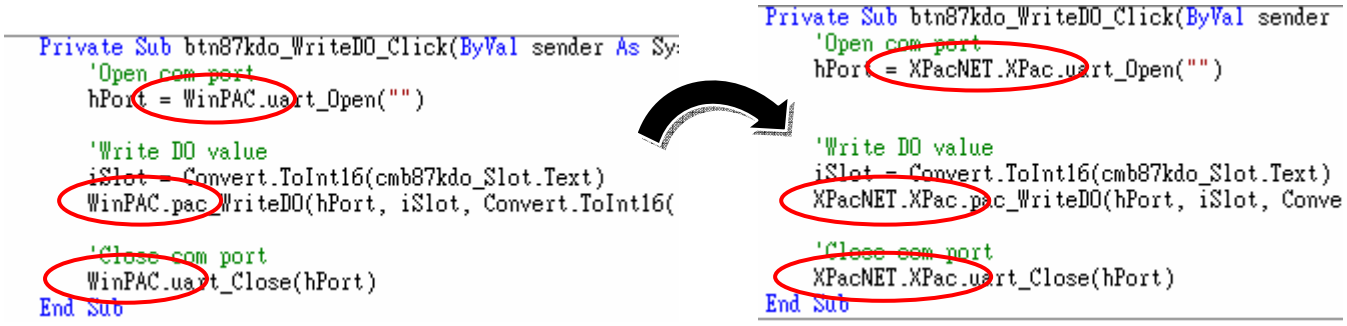


Step 3: In the “Add Reference” dialog box, select the Browse tab to add the XPacNET.dll library file.



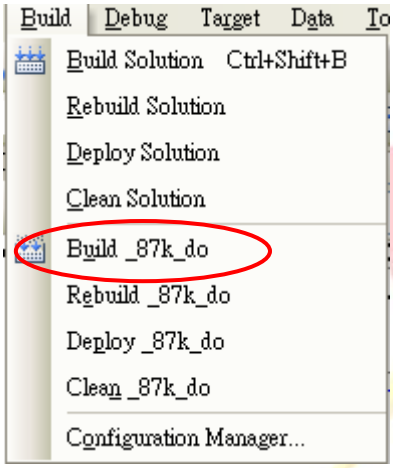
Step 4: Open 87k_do.vb file from the 87k_do project folder. Modify the text “Imports WinPacNet” to “Imports XPacNET”.

Step 5: Modify all the code “WinPac” to “XPacNET.XPac” in your code.



Step 6: Change the Target device field to “XPacSDK_CE6 x86 Device”.

Step 7: From the Build menu, select the Build option for your program (this example is 87k_do).



Step 8: Transfer both the build *.exe file and XPacNET.dll file to your XPAC device and then execute them.