How to write a VB.net application with XPAC SDK in visual studio 2005

Applies to:

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

The XPAC SDKs provides a complete solution to integrate with XPAC and compatible with Visual C#, Visual Basic .net and C++. In order to use a component in your application, you must first add a reference to it.

Step 1 Get the XPacNet.dll and copy it to the project folder

The XPacNet.dll can be obtained from any VB.net demo program that has been provided on the CD or by downloading the latest version from ICP DAS web site. You can obtain by following list.

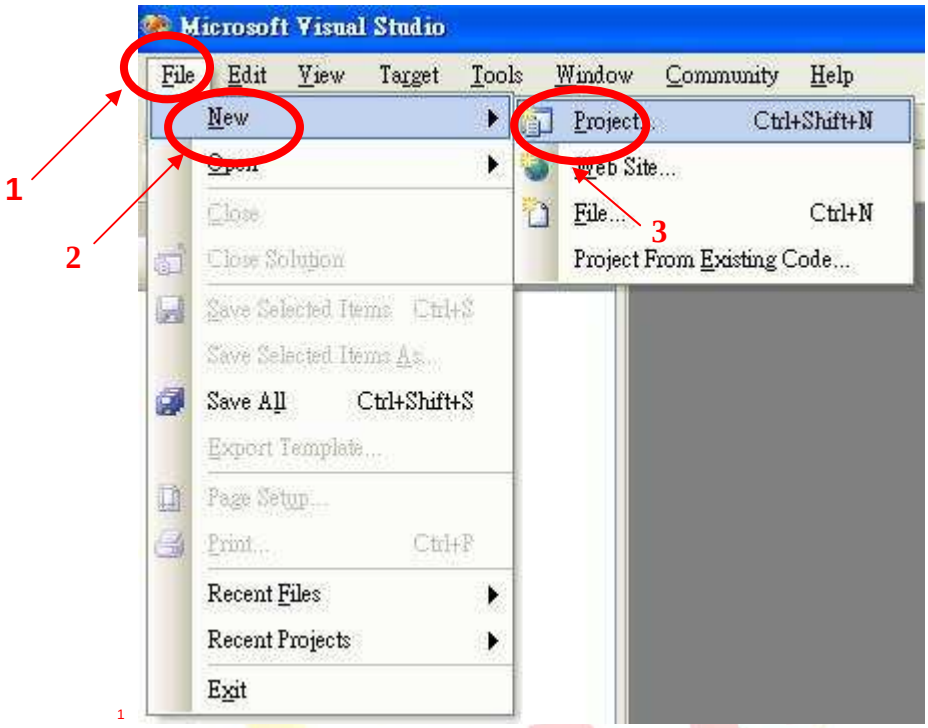
1. CD:\SDK\XPacNET
2. ftp://ftp.icpdas.com/pub/cd/xp-8000-ce6/sdk/xpacnet/
3. ftp://ftp.icpdas.com/pub/cd/XP-8000-Atom-CE6/SDK/XPacNet/



Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

Step 2 Create a new project

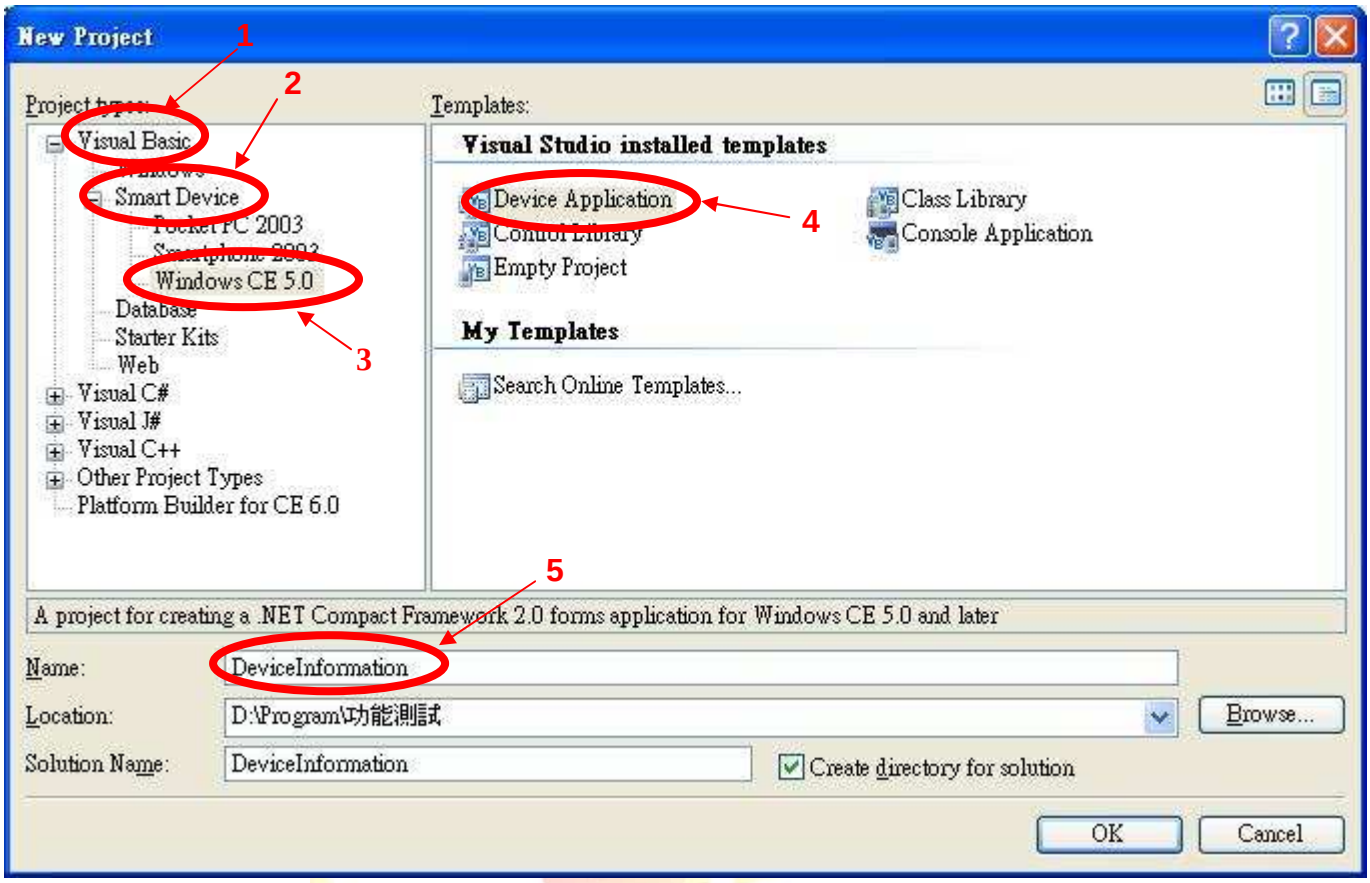
Click the File ->New->Project in order as following.



LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

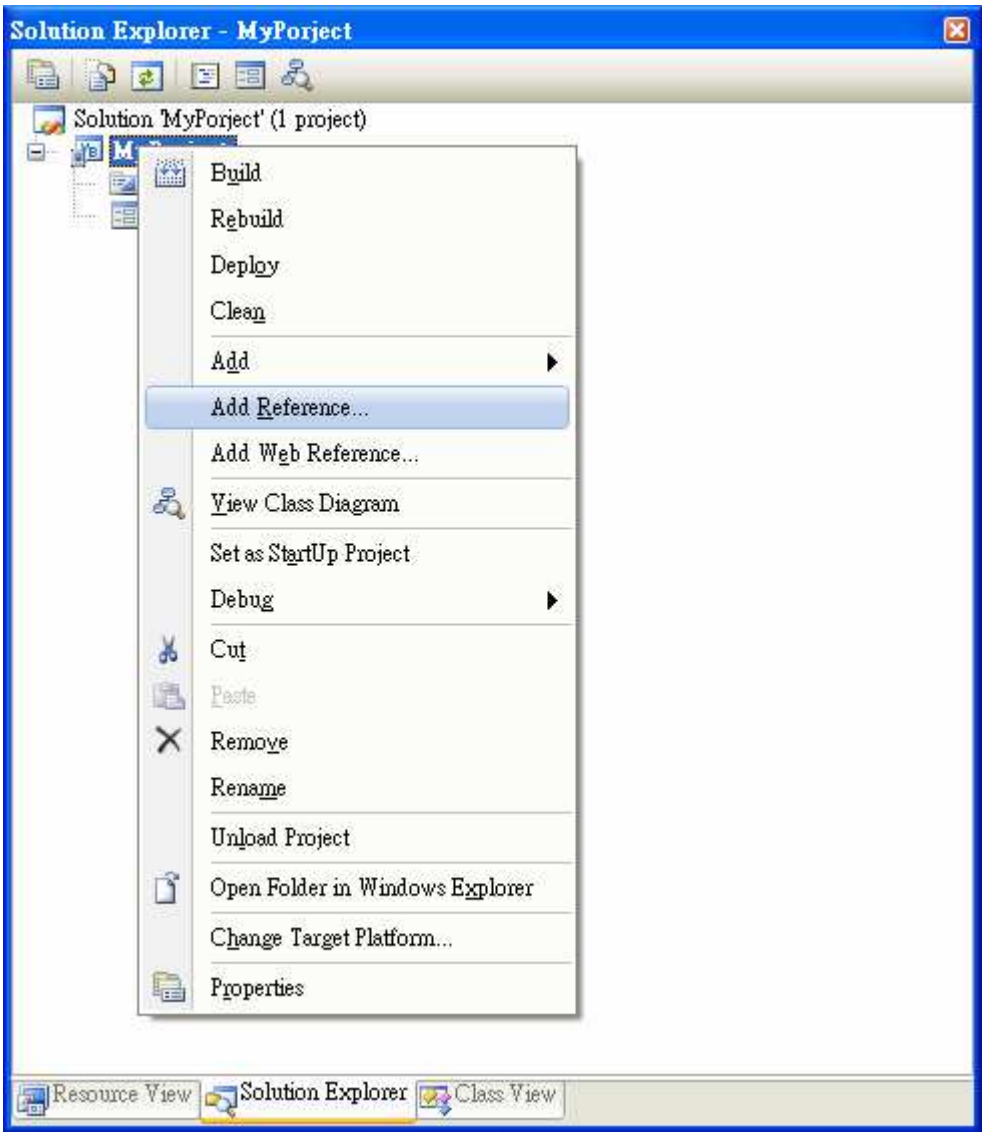
Step 3 Perform the following steps in order

Select “Visual Basic” → “Smart Device” → “Windows CE 5.0”→ “Device Application” and input your program name.



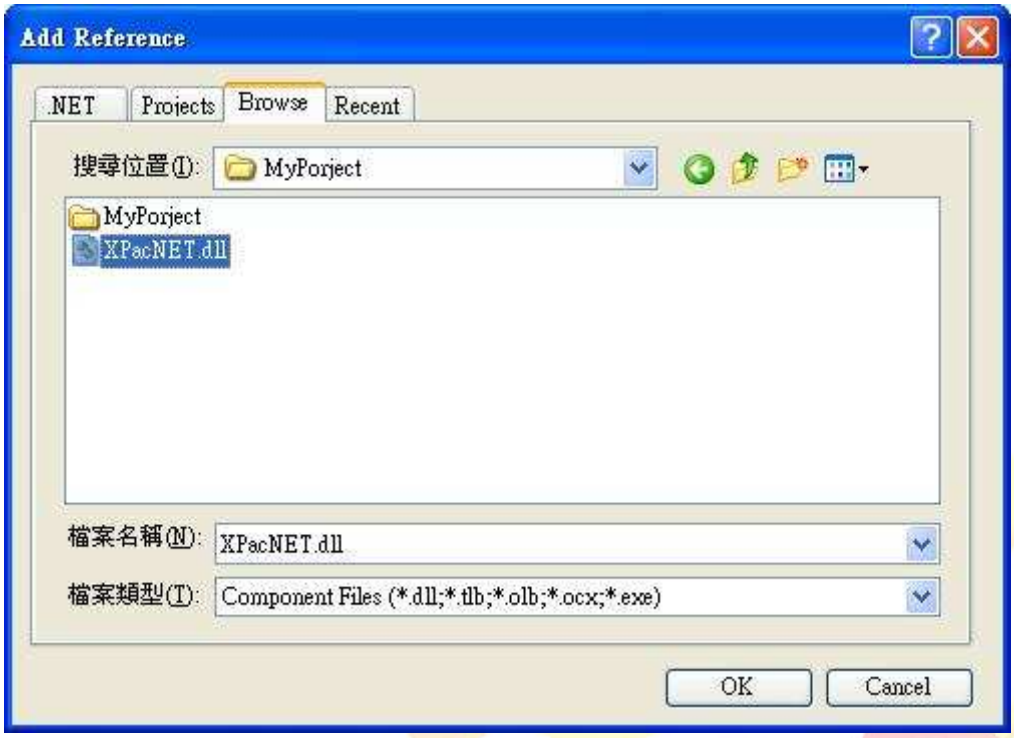
LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

Step 4 **In Solution Explorer, right-click the References node, and then click Add Reference….**



LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

Step 5 Select browse and add the XPacNet.dll



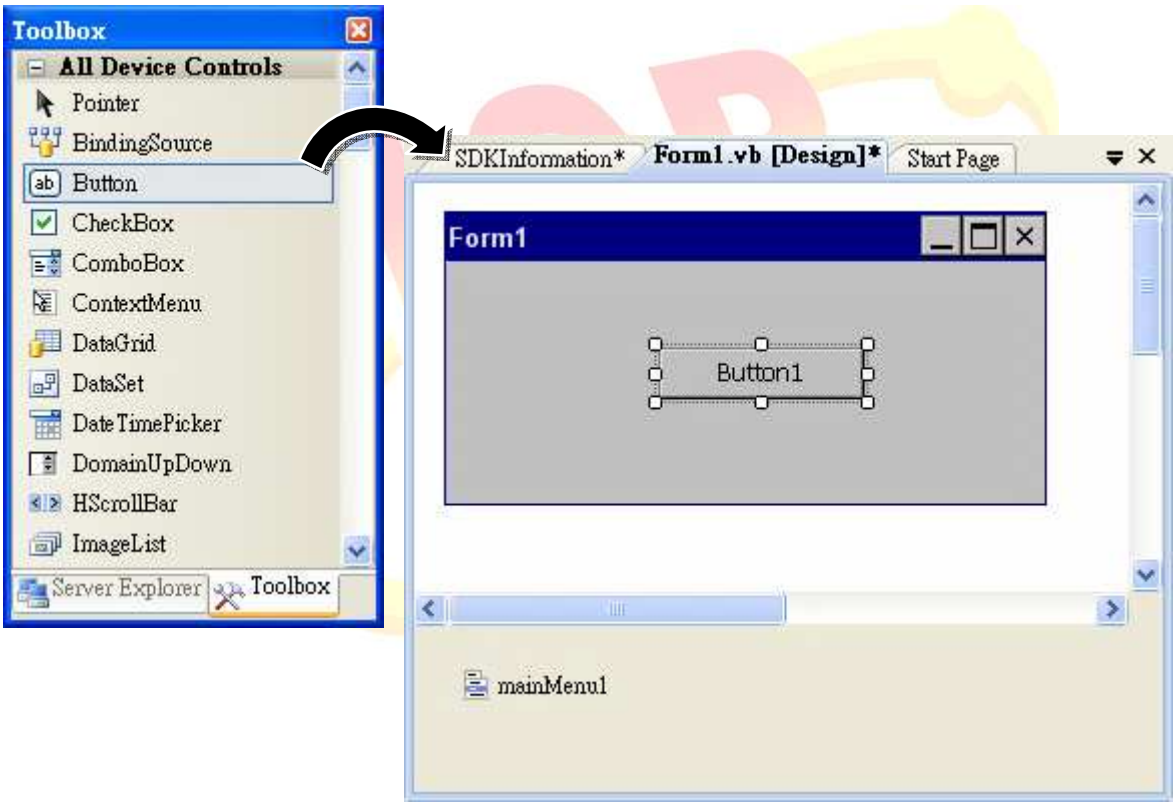
LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

Adding the Control to the Form

You can drag various controls from the Toolbox onto the form. These controls are not really "live"; they are just images that are convenient to move around on the form into a precise location.

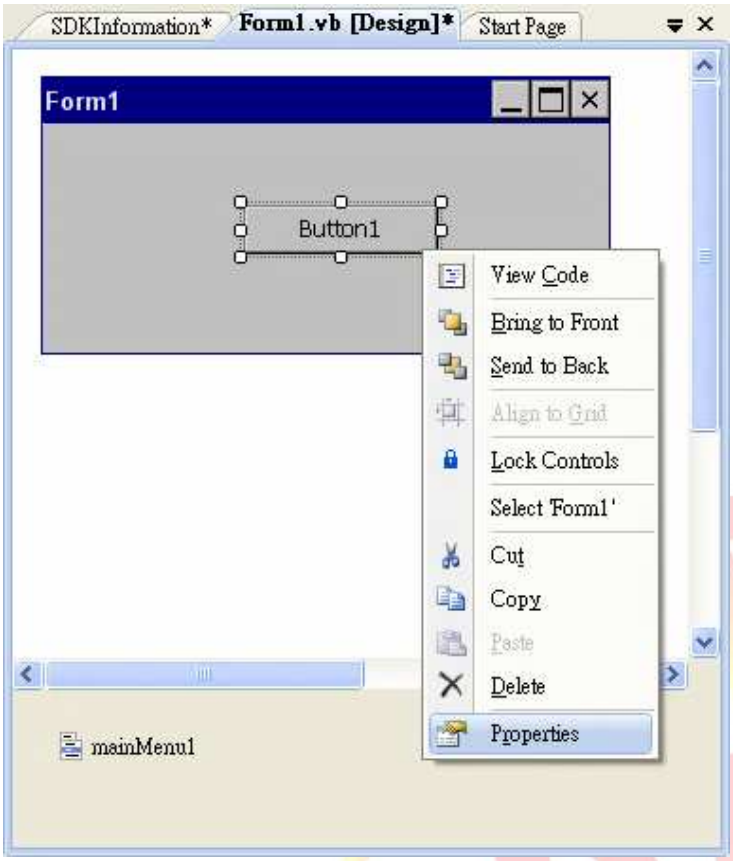
After you add a control to your form, you can use the Properties window to set its properties, such as background color and default text. The values that you specify in the Properties window are the initial values that will be assigned to that property when the control is created at run time.

Step 6 From the Toolbox, drag a Button control onto the form



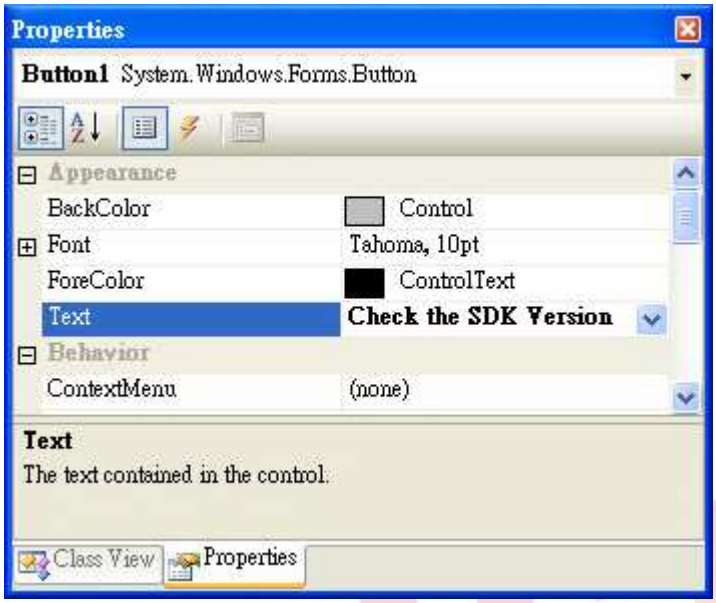
LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

Step 7 Right-click the Button control, and then click Properties



Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

Step 8 **In the Properties window, type Check the SDK version, and press ENTER to set the Text property**

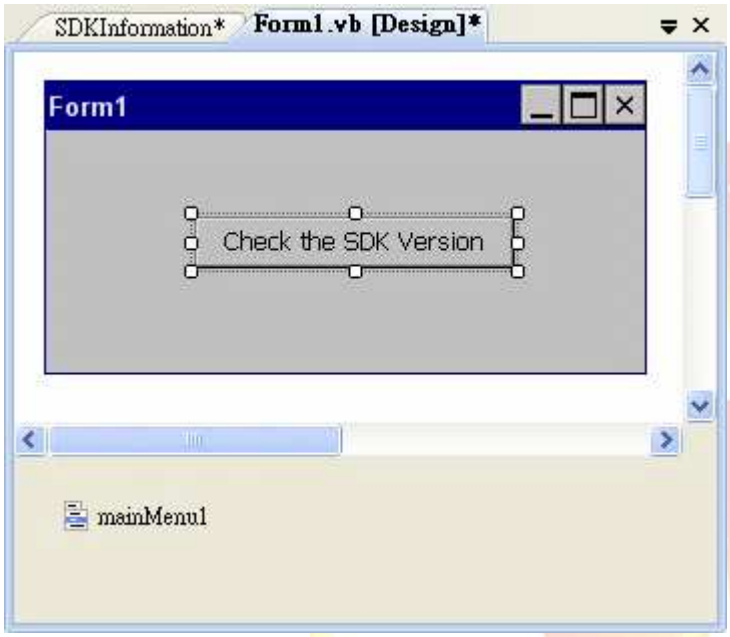


LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

Adding the Event Handling to the Control

You have finished the design stage of your application and are at the point when you can start adding some code to provide the program's functionality.

Step 9 Double-click the button on the form



Step 10 Inserting the following code

MessageBox.Show(XPacNET.XPac.pac_GetXPacSDKVersion())

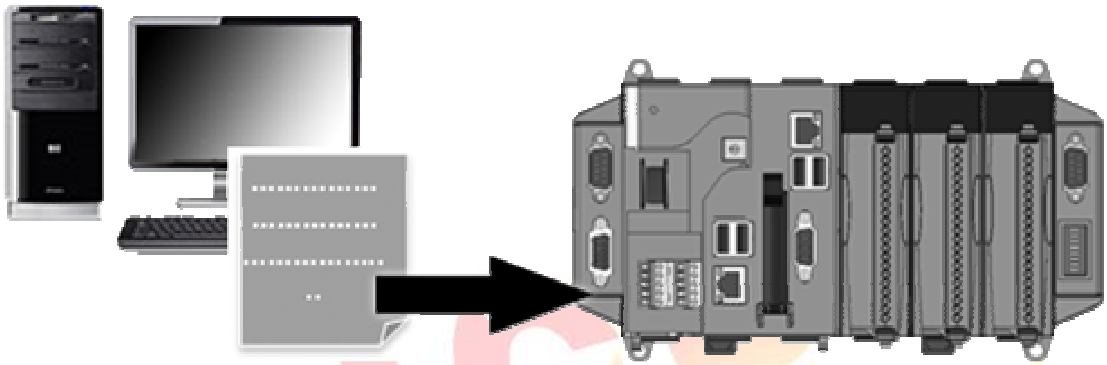
```
Public Class Form1

    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click
        MessageBox.Show(XPacNET.XPac.pac_GetXPacSDKVersion())
    End Sub
End Class
```


LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

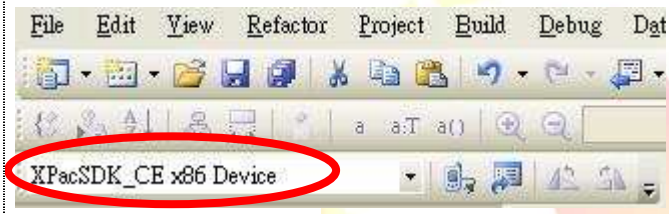
Uploading the Application to XP-8000-Atom-CE6

XPAC series provide FTP server service, you can upload files to XPAC or download files from a public FTP server.



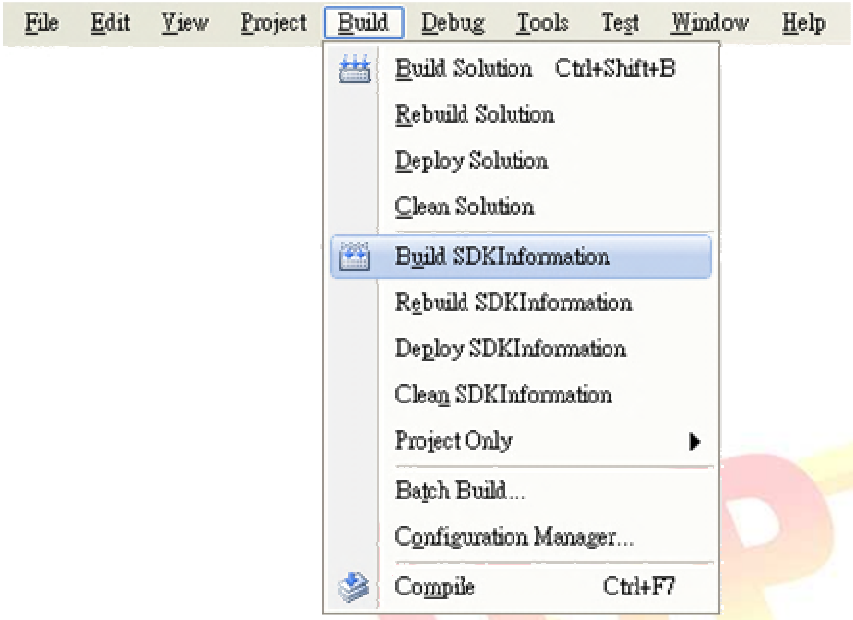
Step 11 Select Platform device

Select "XPacSDK_CE x86 Device"



LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

Step 12 On the Build menu, click Build SDKInformation

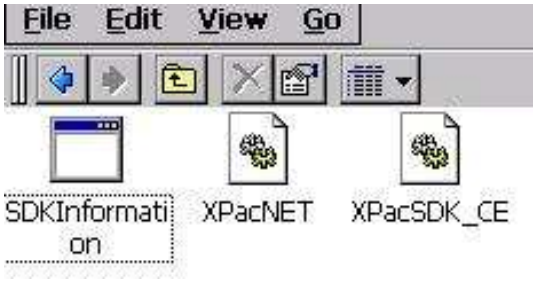


Step 13 Open your ftp software and type the IP address of XPAC.

Step 14 Upload the SDKInformation.exe application and the corresponding XPacSDK_CE.dll file to the XPAC

Tips & Warnings

For applications programming in C# and VB.net with .net framework, when executing these application on the XPAC series, the corresponding “XPacSDK_CE.dll” and “XPacNET.dll” file must be in the same directory as the .exe file.



LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000