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## 如何移植WinPAC程式到XPAC

<i>Applies to:</i>		
<i>Platform</i>	<i>OS version</i>	<i>XPAC utility version</i>
<i>XPAC series</i>	<i>All versions (WinCE6)</i>	<i>All versions</i>

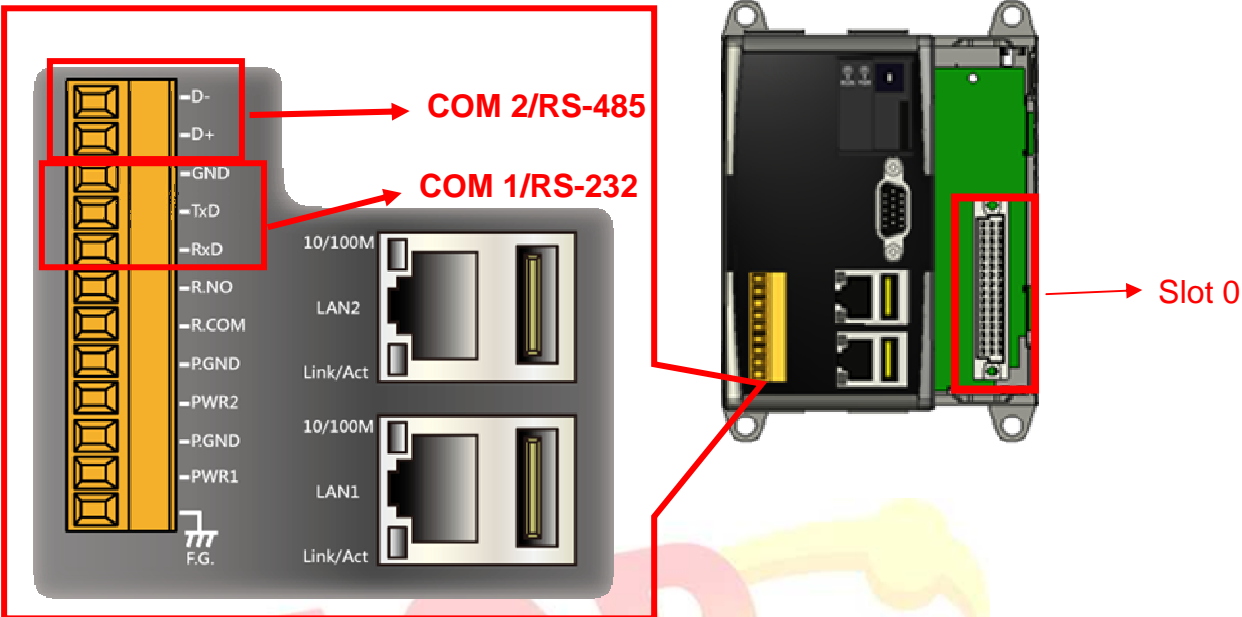
在移植 WinPAC 程式到 XPAC 之前，請先熟悉 WinPAC 和 XPAC 的規格不同處，WinPAC 第一個槽位定義為 0，XPAC 第一個槽位則定義為 1，此外 COM port 順序定義也是不同的。

下列圖表為 XPAC 和 WinPAC 的比較表

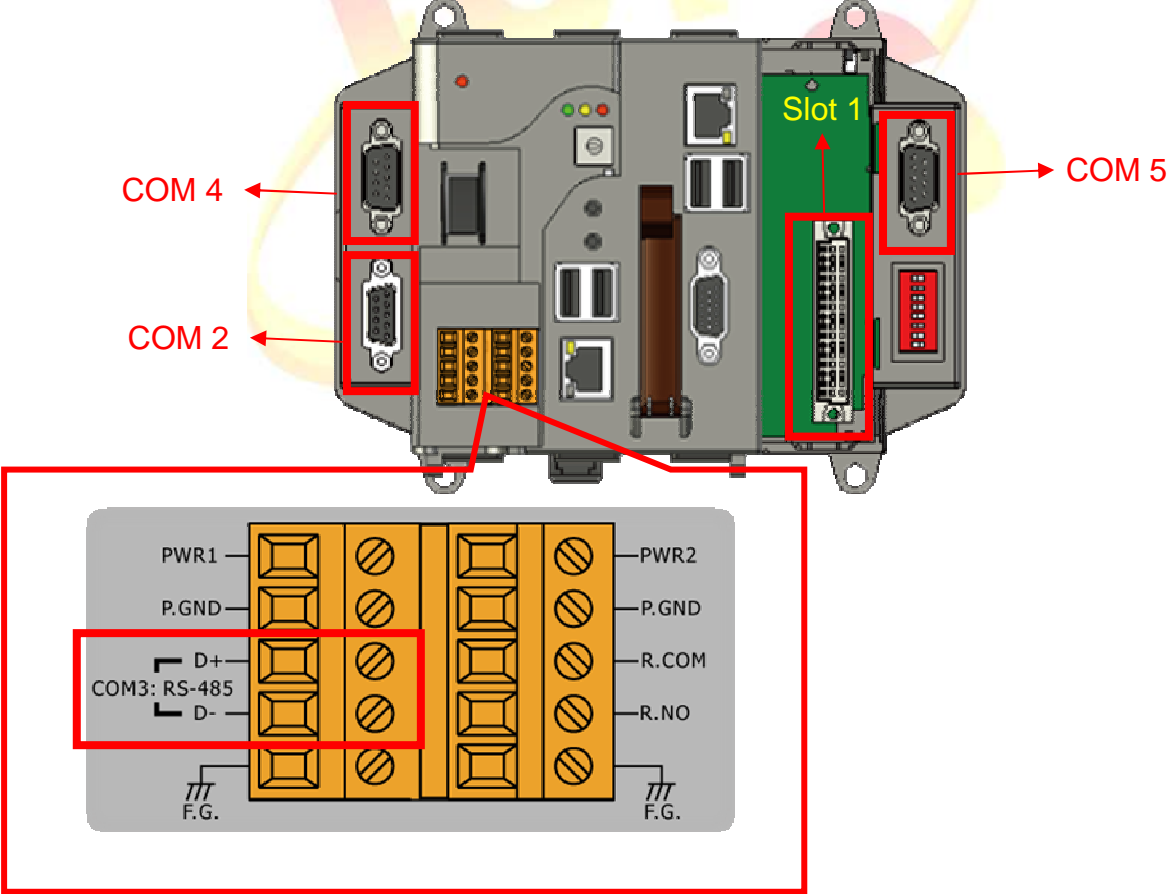
	WP-8131	WP-8431	WP-8831	WP-8141	WP-8441	WP-8841	XP-8141	XP-8341	XP-8741
First Slot	0	0	0	0	0	0	1	1	1
COM 0	Used for backplane	Used for backplane	Used for backplane	Used for backplane	Used for backplane	Used for backplane	N/A	N/A	N/A
COM 1	RS-232	RS-232	RS-232	RS-232	RS-232	RS-232	Used for backplane	Used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

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WP-8131

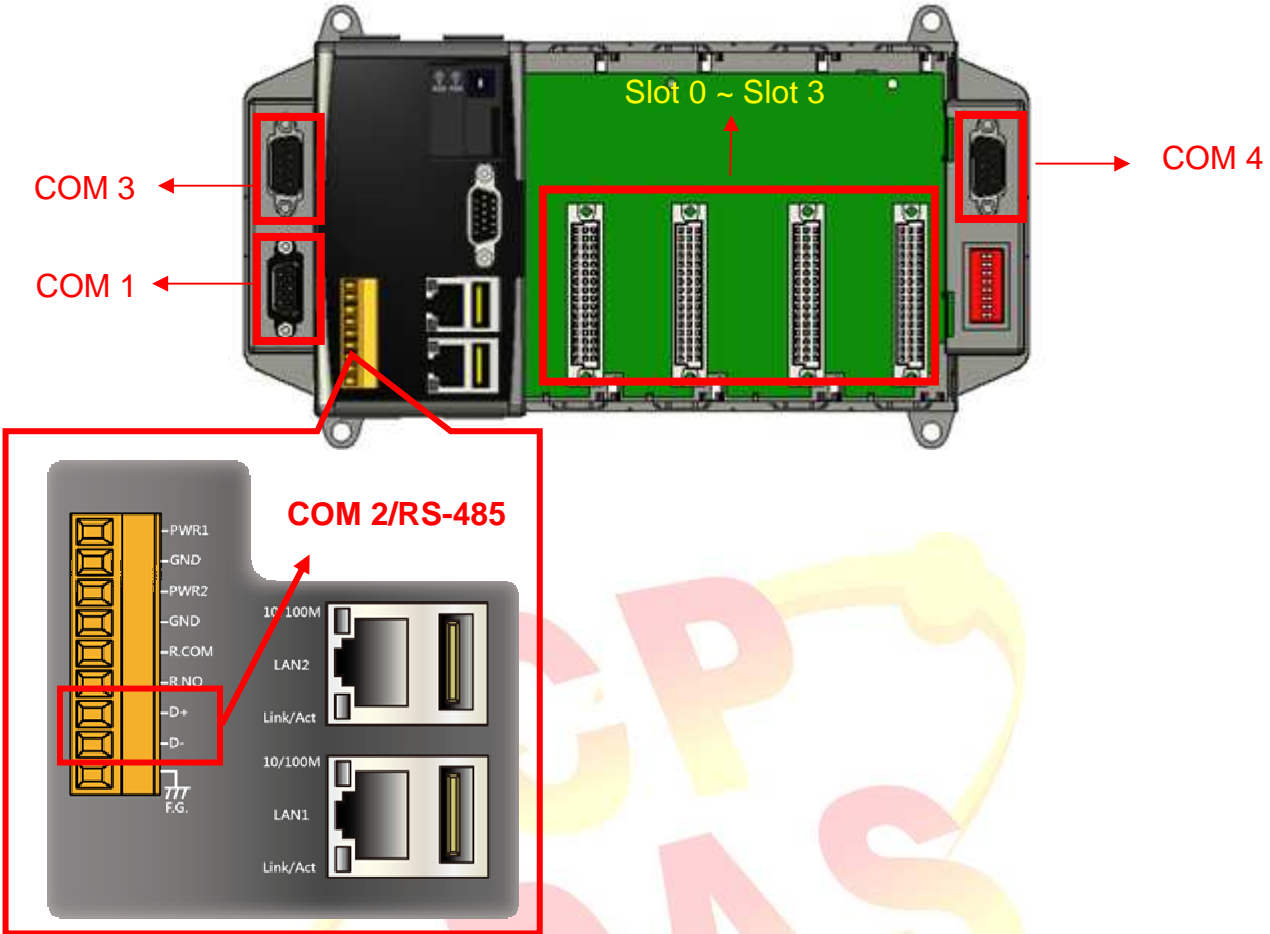


XP-8141

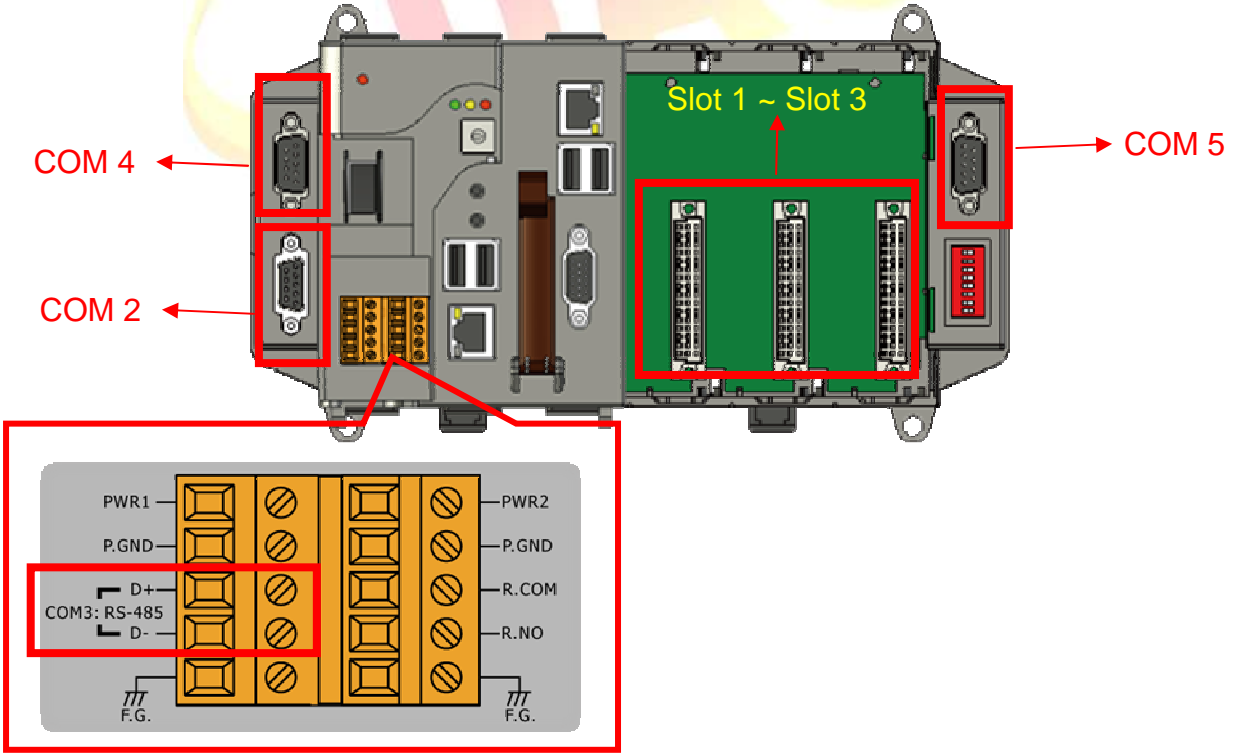


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WP-8431

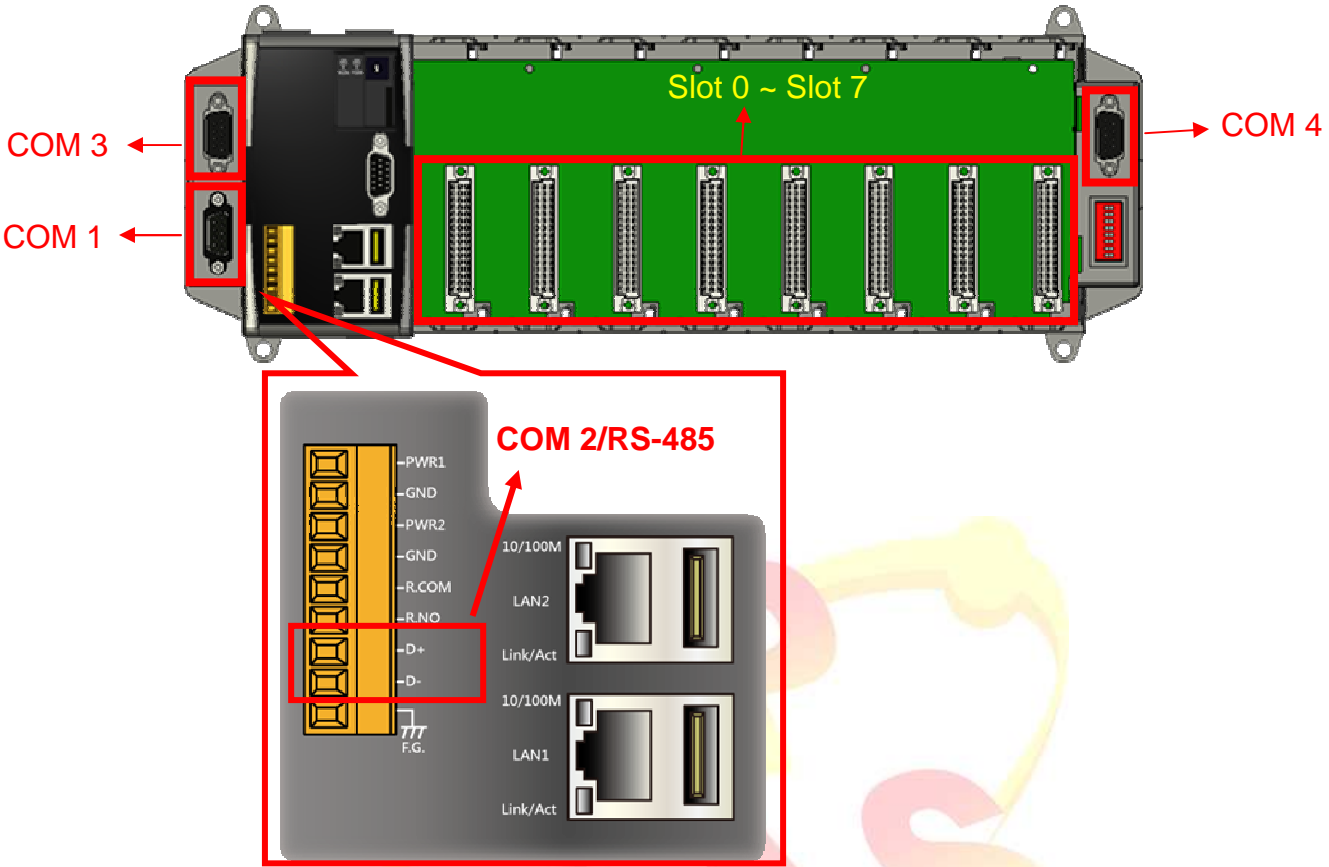


XP-8341

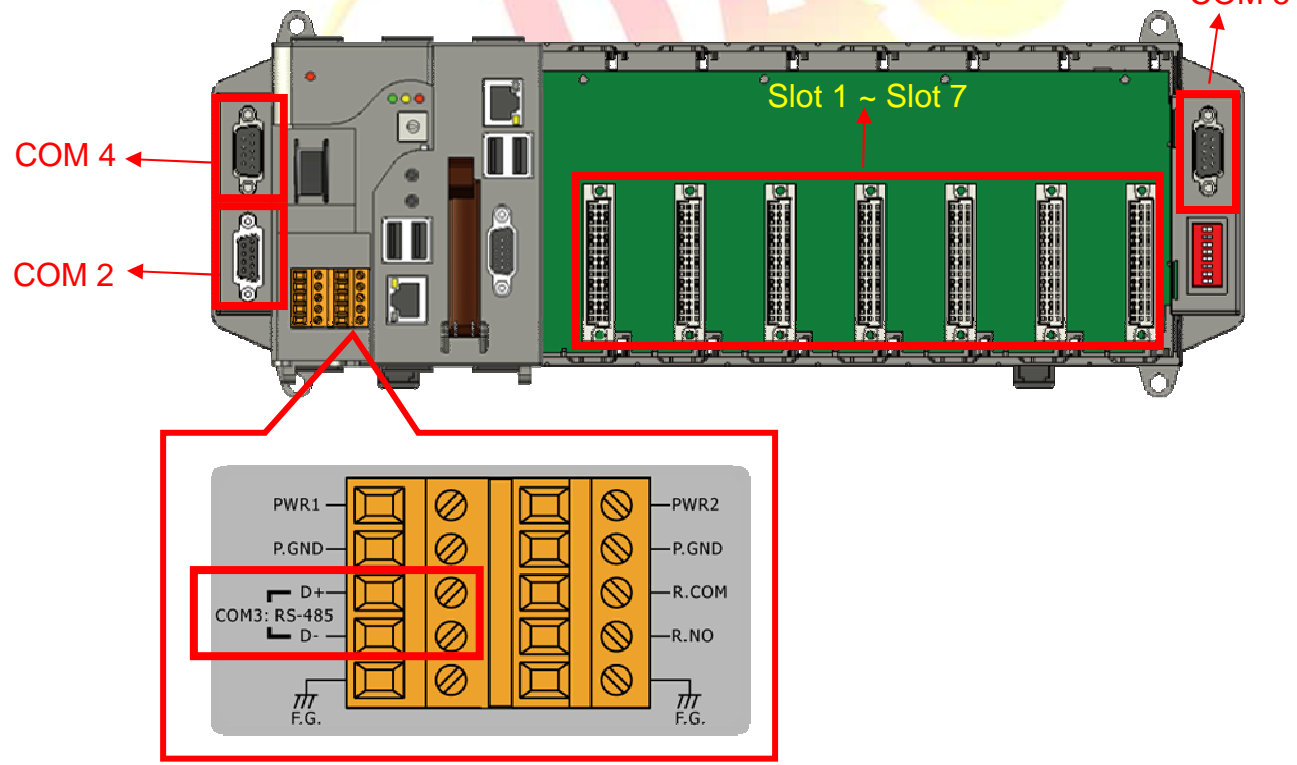


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WP-8831

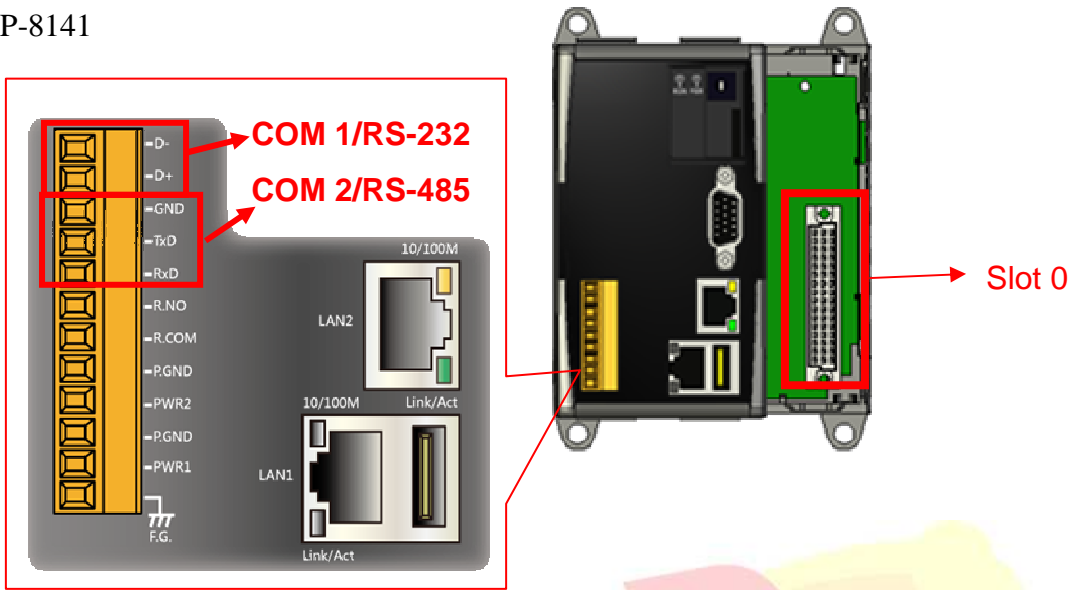


XP-8741

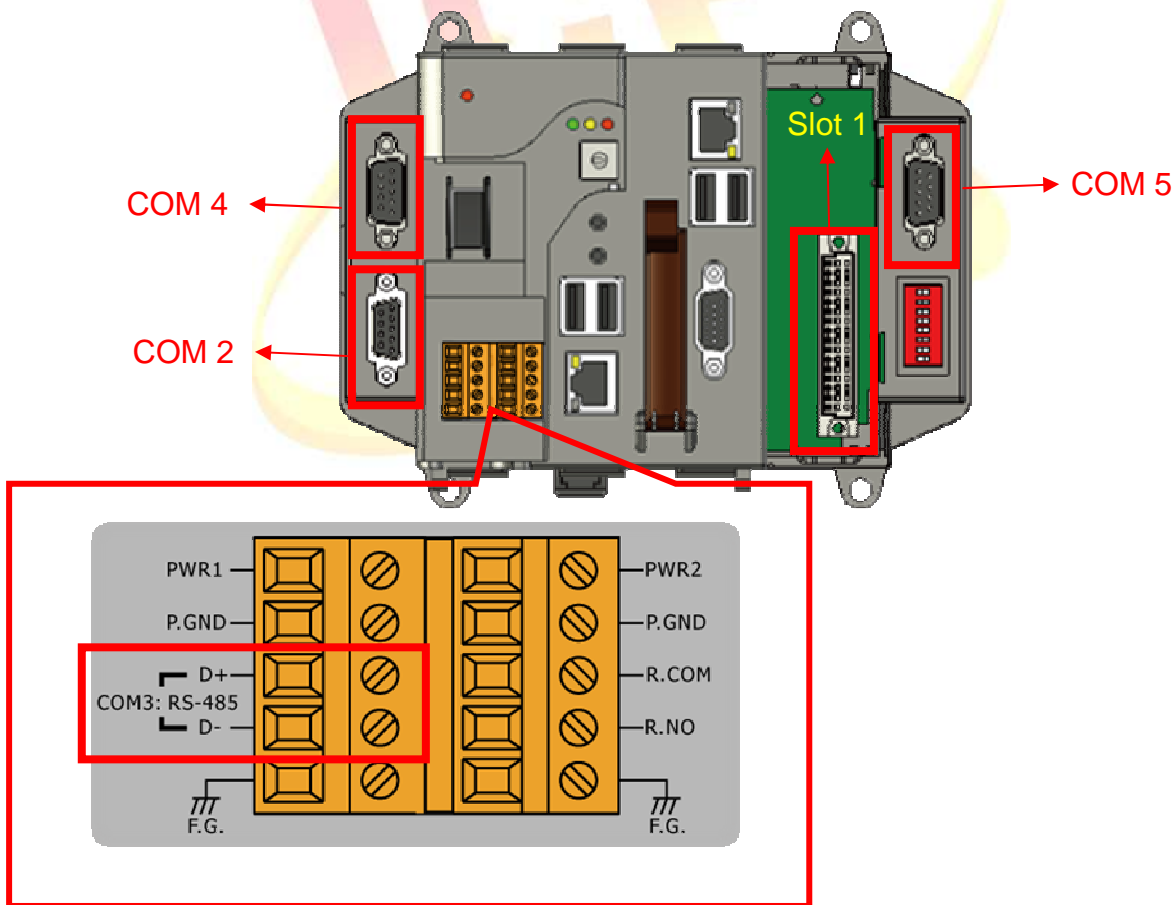


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WP-8141

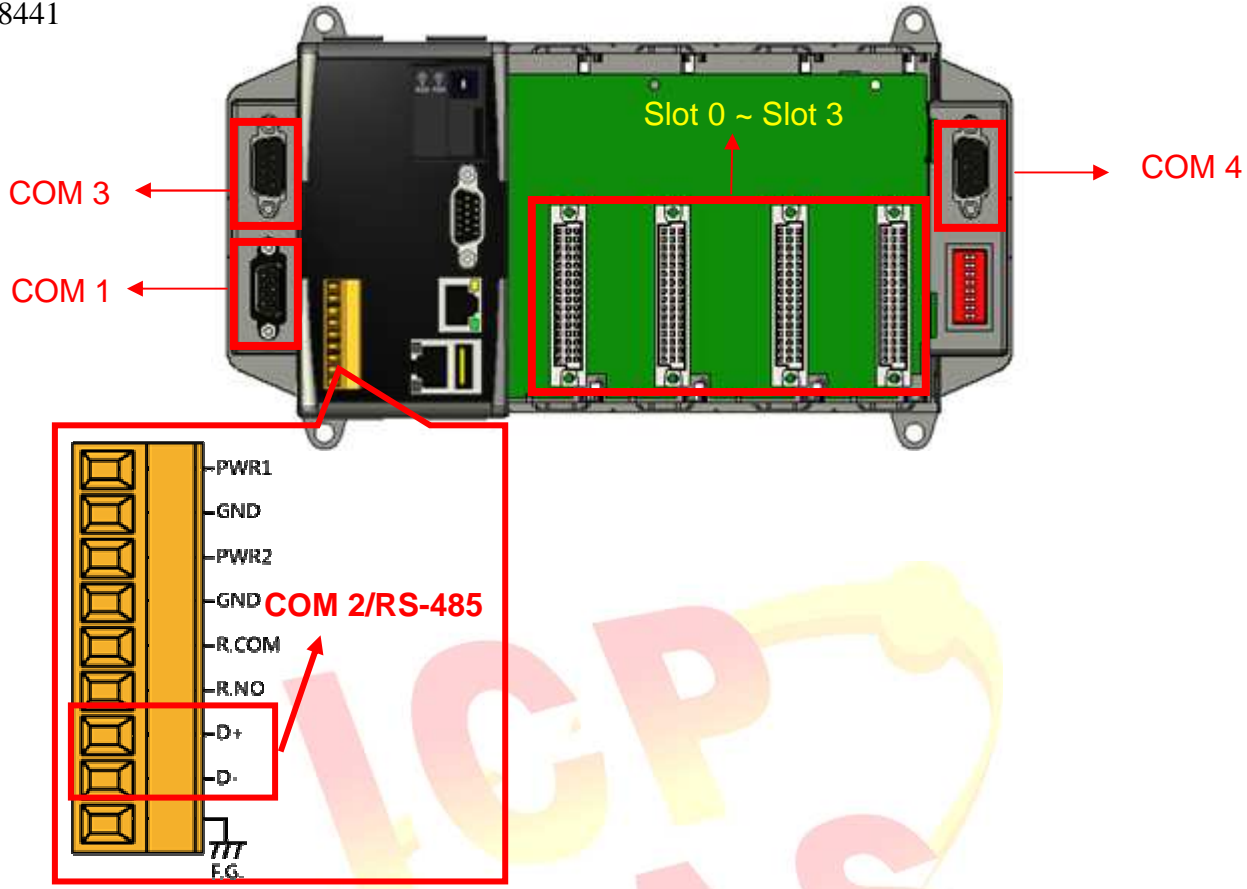


XP-8141

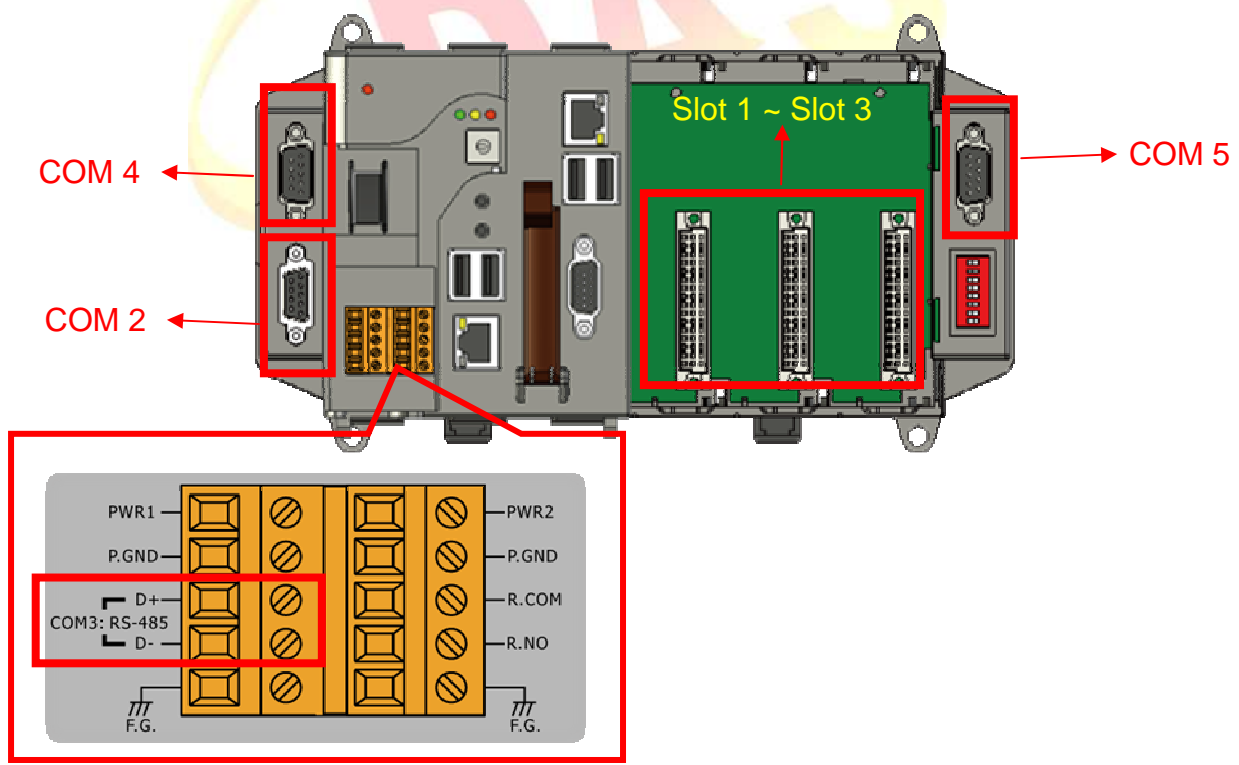


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WP-8441

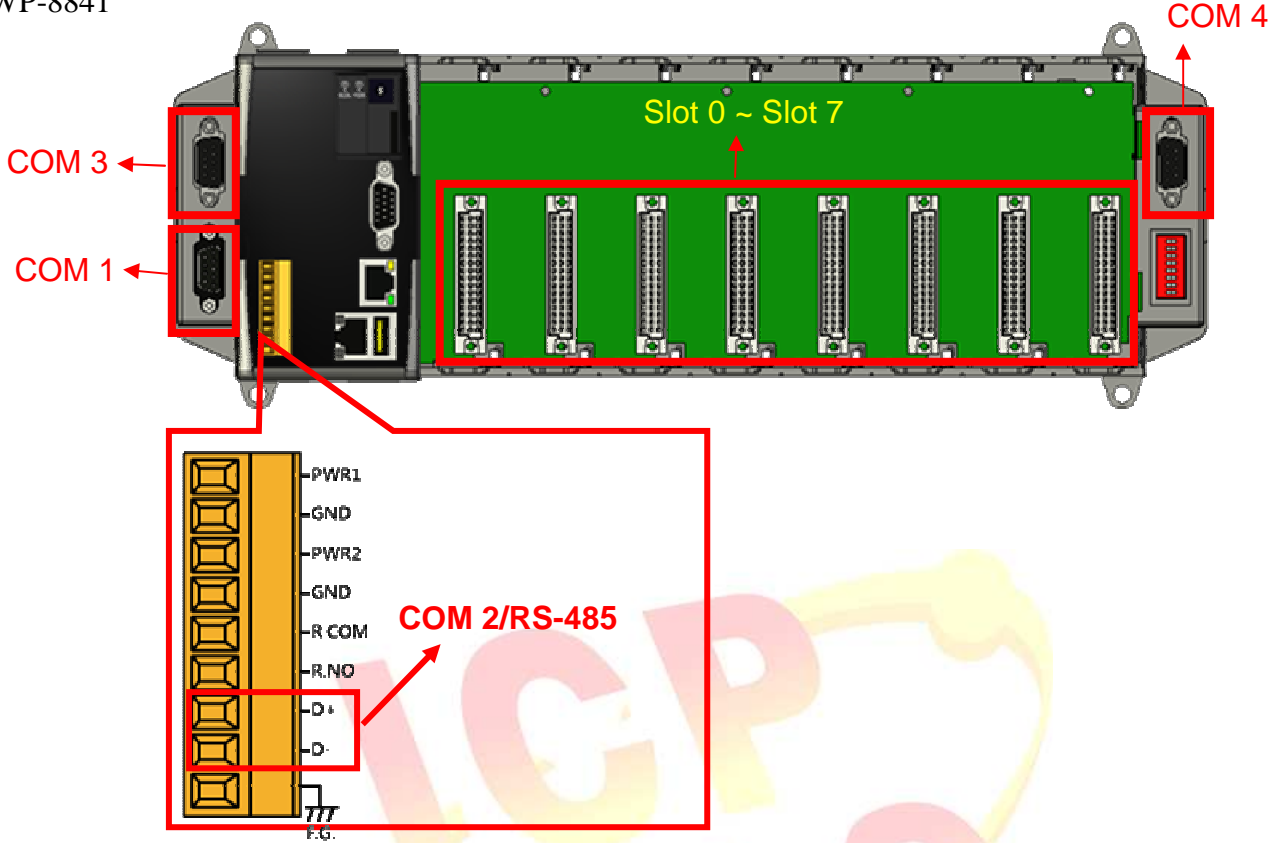


XP-8341

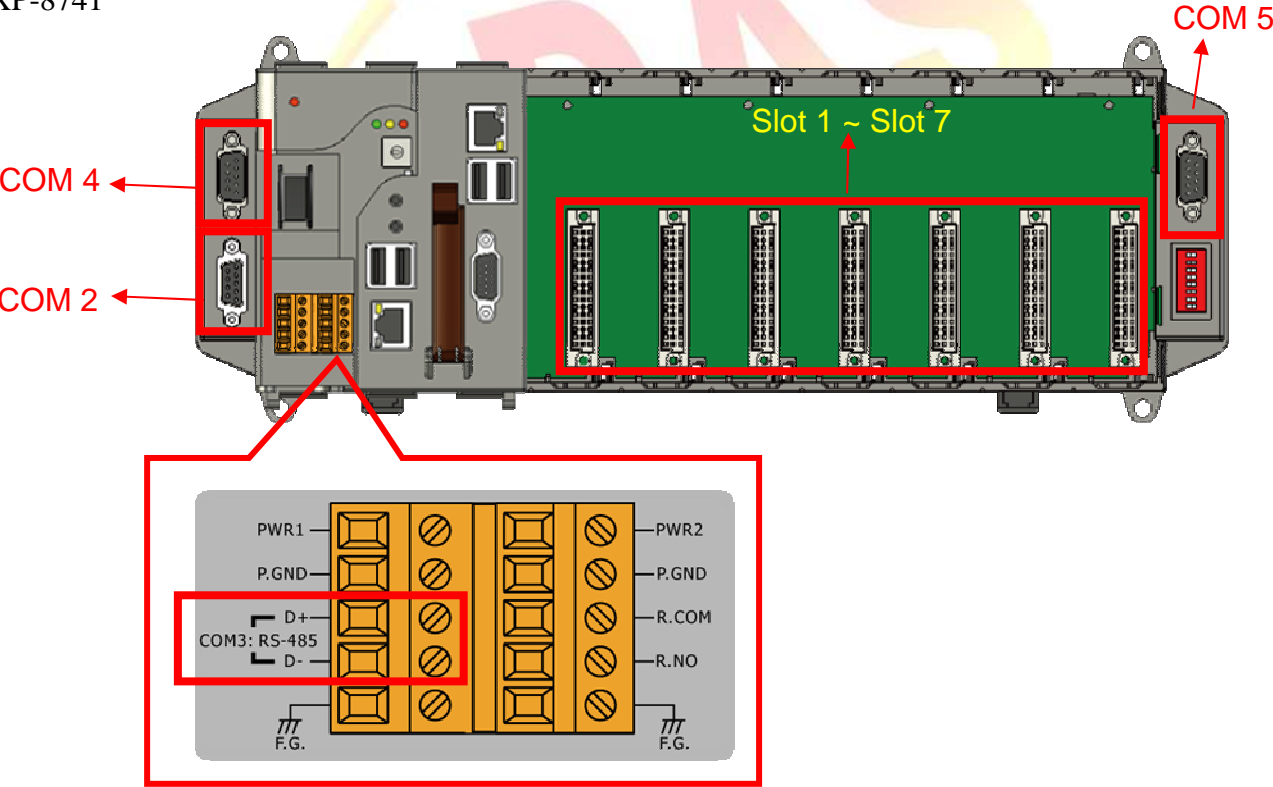


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WP-8841



XP-8741



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舉例來說，假如在 WinPAC 程式中使用 COM 1 和槽位 0，移植到 XPAC 必須修改成 COM 1 修改成 COM 2，槽位 0 修改成槽位 1，WinPAC SDK 必須取代為 XPAC SDK。

依照下列步驟修改 WinPAC 上 C#和 VB.NET 程式使其能在 XPAC 上使用。我們的教學將不會包含 Evc 程式，因為使用 Evc 開發的程式不能保證能完整的移植到 WinCE 6.0 環境，建議開發人員使用 VC++將 Evc 程式移植到 XPAC，如果您需要修改 EVC 程式到 XAPC，請給我們你的原始碼，我們會嘗試修改你的程式。

### 修改 WinPAC C#程式(以 87k\_do 為例)

**Step 1:** 取得 XPacNet.dll 並將它複製到專案資料夾內，XPacNet.dll 可以從 C#範例程式或 CD 獲得，或者可以從 ICPDAS 網站下載最新版本，你可以下列清單獲得。

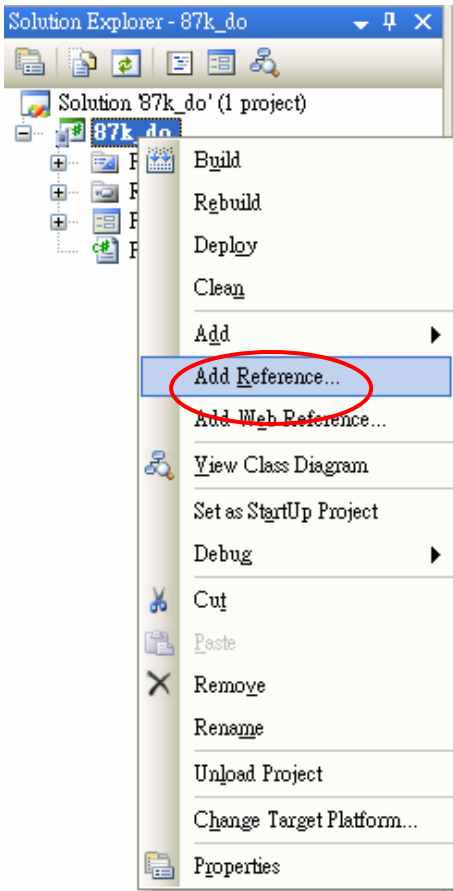
<ftp://ftp.icpdas.com/pub/cd/XPAC-Atom-CE6/SDK/XPacNet/>



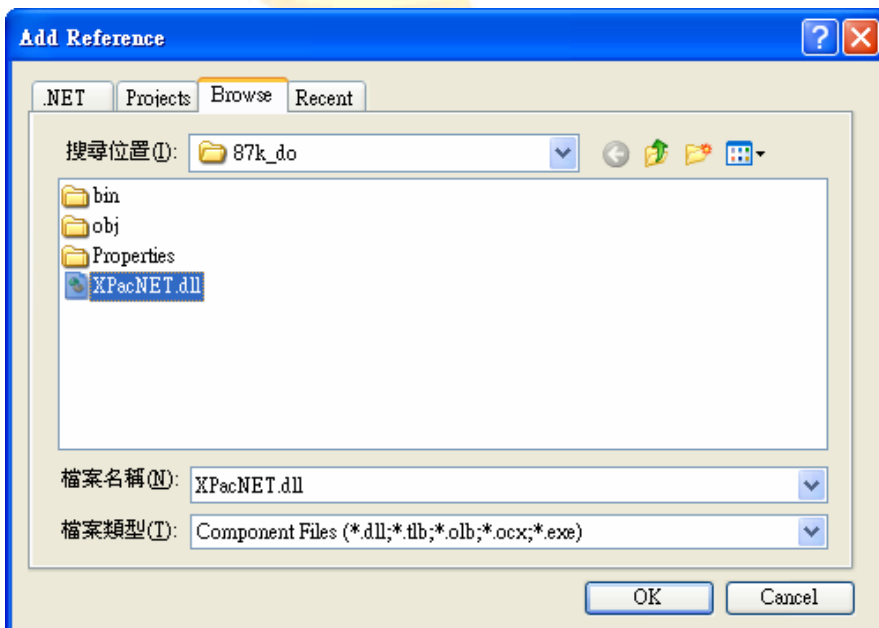


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**Step 2:** 開啓 87k\_do 專案檔，在“Solution Explorer”面版，按下滑鼠右鍵選擇“Add Reference...”選項



**Step 3:** 在“Add Reference”對話方塊選擇“Browse”頁面以加入“XPacNET.dll”檔案。將資料夾移動到來源資料夾，選擇“XPacNET.dll”並按下“OK”按鍵




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**Step 4:** 從 87k\_do 專案資料夾開啓 Form1.cs 檔案，修改“using WinPacNet”為“using XPacNET”

```

using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Text;
using System.Windows.Forms;
using WinPacNet;

```



```

using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Text;
using System.Windows.Forms;
using XPacNET;

```

**Step 5:** 將你程式中所有“WinPac”修改成“XPacNET.XPac”

```


private void btnWriteDO_Click(object sender, EventArgs e)
{
    IntPtr hPort;
    //Open com port
    hPort = WinPacUART.Open("");

    //Write DO value

    iSlot = Convert.ToInt16(cmb87kDOSlot.Text);
    iRet = WinPacUART.WriteDO(hPort, iSlot);
    if (iRet != true)
        MessageBox.Show("Error code" + iRet);

    //Close com port
    WinPacUART.Close(hPort);
}

```



```

private void btnWriteDO_Click(object sender, EventArgs e)
{
    IntPtr hPort;
    //Open com port
    hPort = XPacNET.XPacUART.Open("");

    //Write DO value

    iSlot = Convert.ToInt16(cmb87kDOSlot.Text);
    iRet = XPacNET.XPacUART.WriteDO(hPort, iSlot);
    if (iRet != true)
        MessageBox.Show("Error code" + iRet);

    //Close com port
    XPacNET.XPacUART.Close(hPort);
}

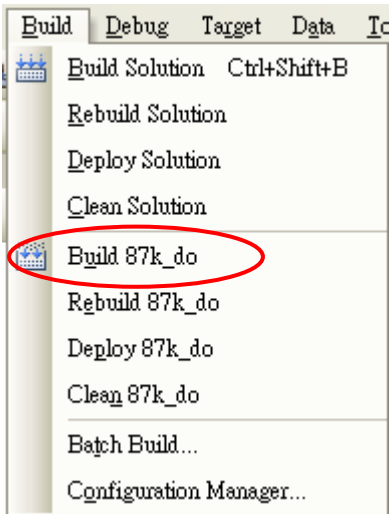
```

**Step 6:** 改變目的裝置為“XPacSDK\_CE6 x86 Device”

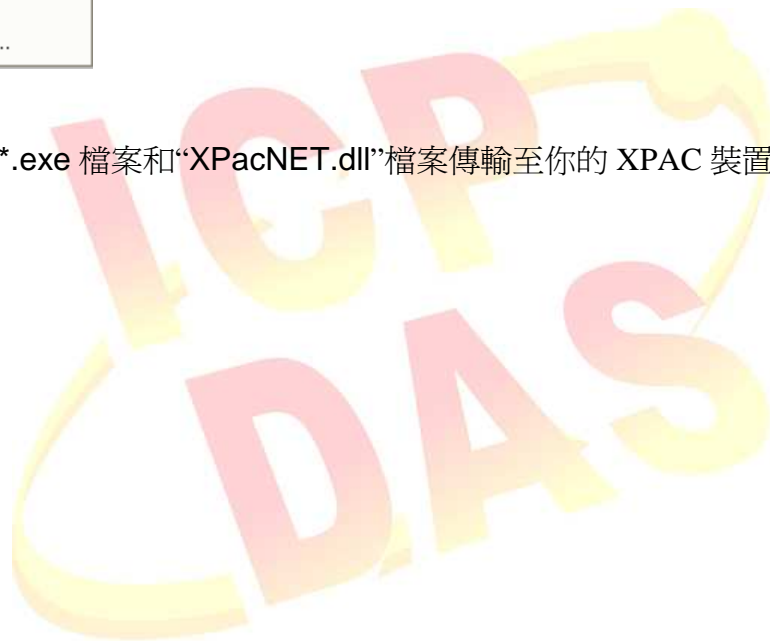


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**Step 7:** 從“Build”選單中，選擇程式的建立選項(這個範例是 87k\_do)



**Step 8:** 將你建立的\*.exe 檔案和“XPacNET.dll”檔案傳輸至你的 XPAC 裝置，並執行它



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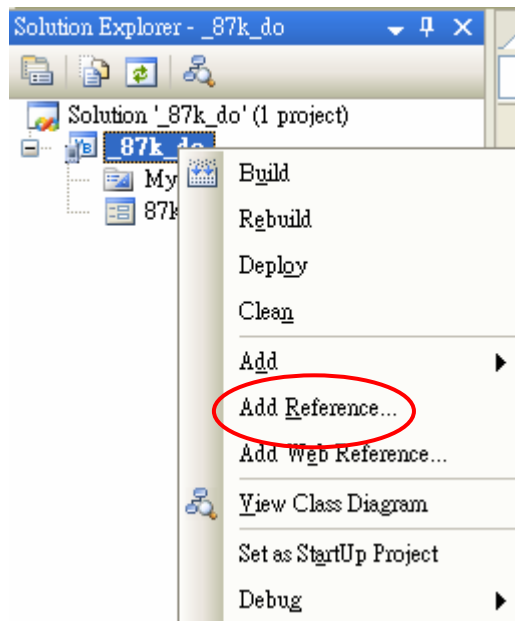
## Modifying a WinPac VB.NET Program

**Step1:** 取得 XPacNet.dll 並將它複製到專案資料夾內，XPacNet.dll 可以從 VB.NET 範例程式或 CD 獲得，或者可以從 ICPDAS 網站下載最新版本，你可以下列清單獲得。

<ftp://ftp.icpdas.com/pub/cd/XPAC-Atom-CE6/SDK/XPacNet/>

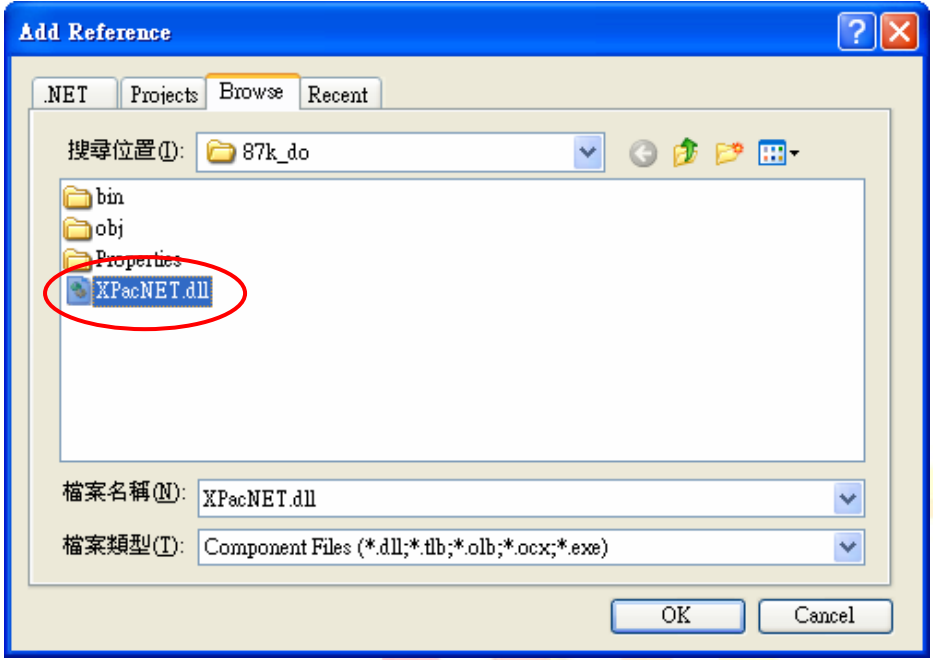


**Step 2:** 開啓 87k\_do 專案檔，在“Solution Explorer”面版，按下滑鼠右鍵選擇“Add Reference...” 選項



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**Step 3:** 在“Add Reference”對話方塊選擇“Browse”頁面以加入“XPacNET.dll”檔案。將資料夾移動到來源資料夾，選擇“XPacNET.dll”並按下“OK”按鍵



**Step 4:** 從 87k\_do 專案資料夾開啓 87k\_do.vb 檔案，修改“Imports WinPacNet”為“Imports XPacNET”



**Step 5:** 將你程式中所有“WinPac”修改成“XPacNET.XPac”

```

Private Sub btn87kdo_WriteDO_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btn87kdo_WriteDO.Click
    'Open com port
    hPort = WinPAC.uart_Open("")

    'Write DO value
    iSlot = Convert.ToInt16(cmb87kdo_Slot.Text)
    WinPAC.pac_WriteDO(hPort, iSlot, Convert.ToInt16(txt87kdo_WriteDO.Text))

    'Close com port
    WinPAC.uart_Close(hPort)
End Sub

```

↷

```

Private Sub btn87kdo_WriteDO_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btn87kdo_WriteDO.Click
    'Open com port
    hPort = XPacNET.XPac.uart_Open("")

    'Write DO value
    iSlot = Convert.ToInt16(cmb87kdo_Slot.Text)
    XPacNET.XPac.pac_WriteDO(hPort, iSlot, Convert.ToInt16(txt87kdo_WriteDO.Text))

    'Close com port
    XPacNET.XPac.uart_Close(hPort)
End Sub

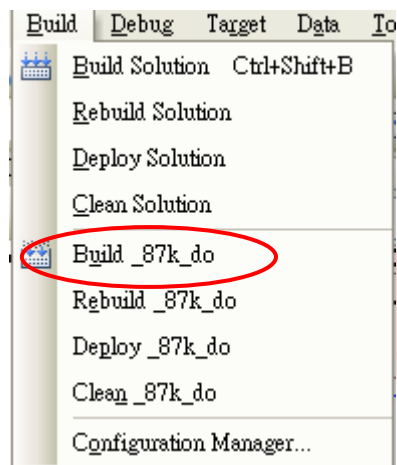
```

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**Step 6:** 改變目的裝置為“XPacSDK\_CE6 x86 Device”



**Step 7:** 從“Build”選單中，選擇程式的建立選項(這個範例是 87k\_do)



**Step 8:** 將你建立的\*.exe 檔案和“XPacNET.dll”檔案傳輸至你的 XPAC 裝置，並執行它