

WP – 8X4X Version 1.3.0.4 Release Note

Overview

The latest version of OS image and Eboot can be updated to WP-814x /WP-844x/WP-884x series controller.

Provide on-line debug on VS.Net 2005/VS.Net 2008.

Latest Version:

OS Version 1.3.0.4

Eboot Version 1.0.5.6

New Functions

- OS image and Eboot support to WP-814x/WP-844x/WP-884x
(Refer to <http://www.icpdas.com/products/PAC/winpac/wp-8x41.htm> for more details regarding the Product information)

Important Notices

- Slot Interrupt number for I/O module has redefined. The WinPACSDK.dll must be updated to **V1.0.7.9** or **later** and the I/O module can work correctly on WP-8x4x with V1.3.0.4 OS.
- SQL CE 3.5 (3.5.5692.0) recovers to SQL CE 3.5 (3.5.5386.0)

*Fixes that sqlCmd.ExecuteResultSet(ResultSetOptions.Scrollable) causes the error exception on .Net CF program.

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.msi) provided an application developer with the information necessary to develop an EVC or .Net Framework application specifically for WinPAC.

- WinPACSDK.h is moved to the *C:\Program Files\Windows CE Tools\wce500\PAC270\ICPDAS\Include\ARMV4I* 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\ ARMV4I* 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_20090225.msi) includes following files:

- WinpacSDK.lib: 1.0.7.9
- WinconSDK.lib: 2.2.0.11

The two files will be copied to *c:\Program Files\Windows CE Tools\wce500\PAC270\ICPDAS\Lib\Armv4i*

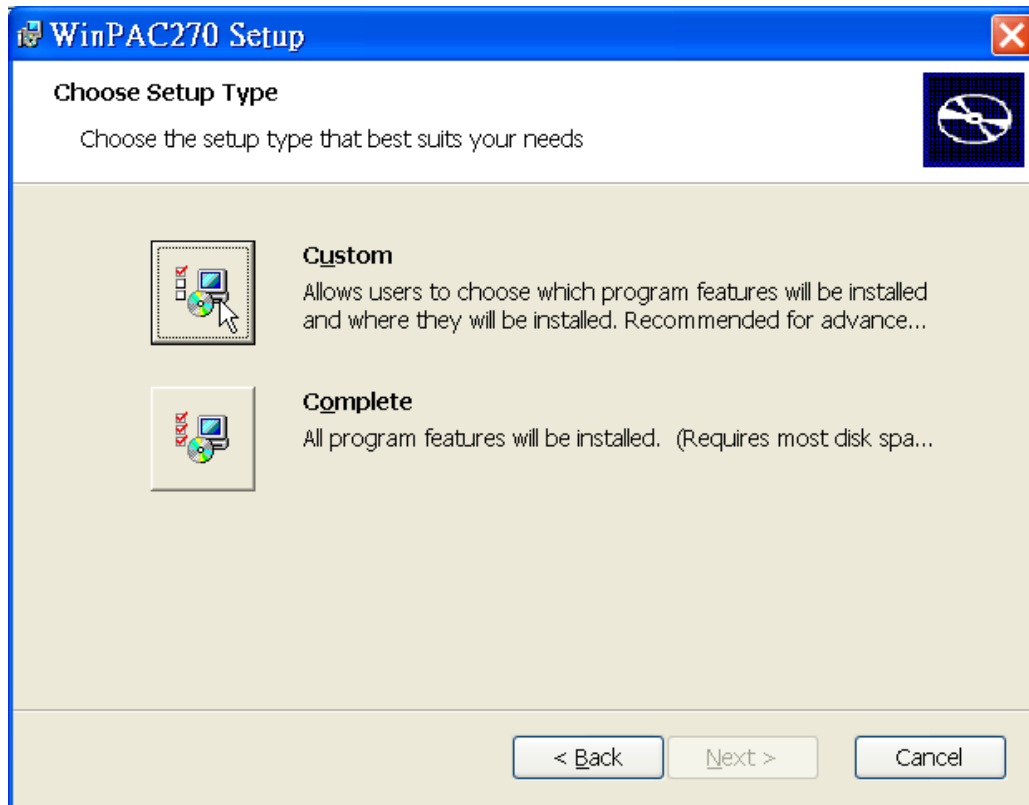
- WinpacSDK.h: 1.0.7.9
- WinconSDK.h: 2.2.0.11

The three files will be copied to *c:\Program Files\Windows CE Tools\wce500\PAC270\ICPDAS\Include\Armv4i*

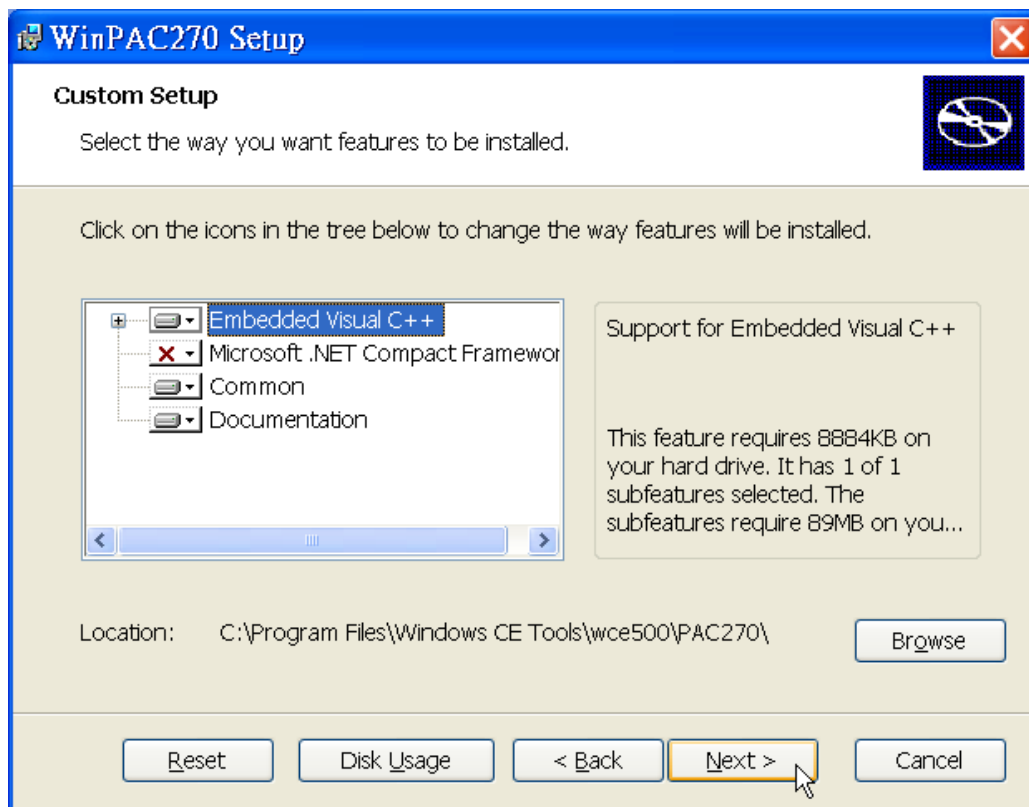
Update PAC270_SDK.msi

Only Install SDK for developing EVC application

Click Custom

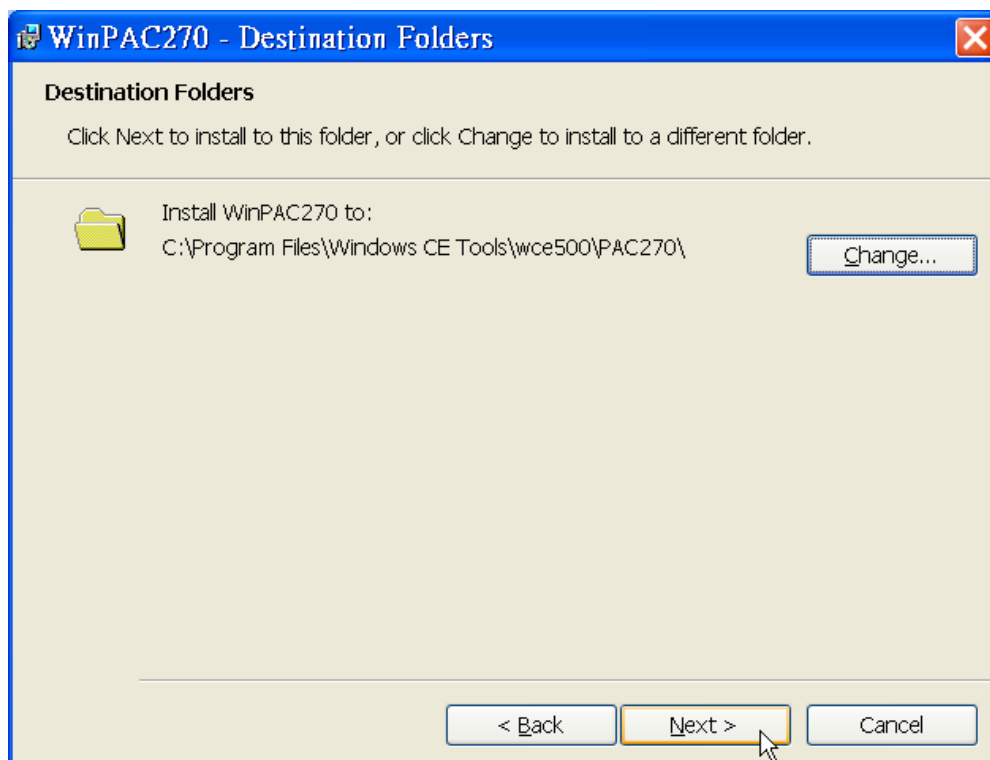
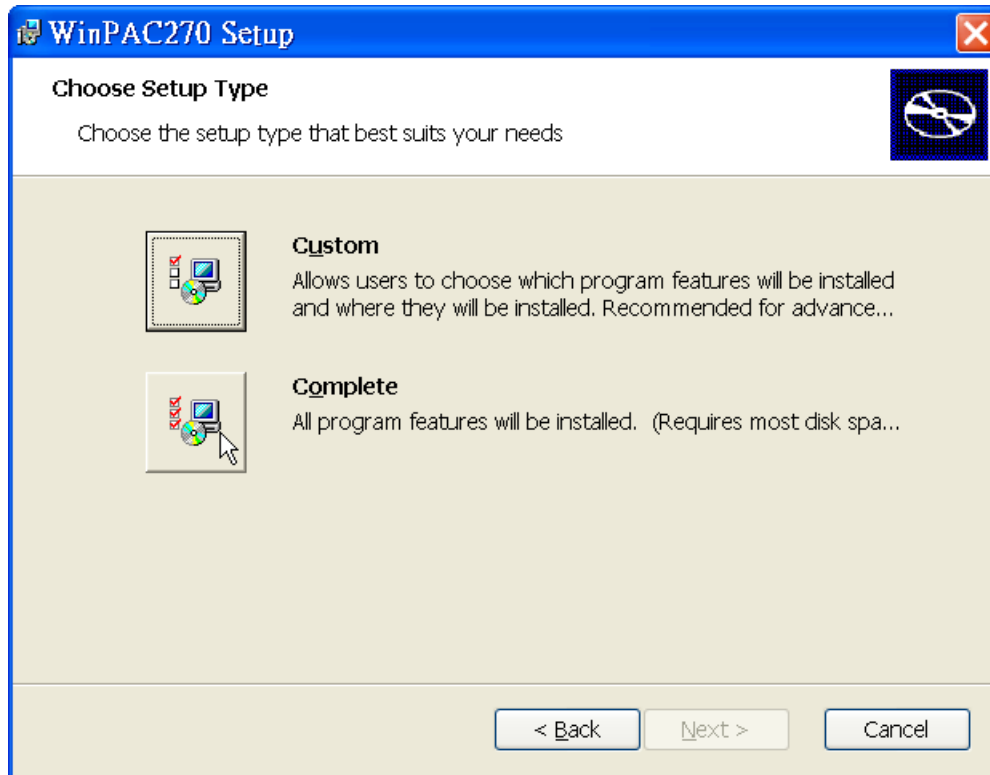


Click Next



Install SDK for developing EVC and .Net Framework application

Click **Complete** button



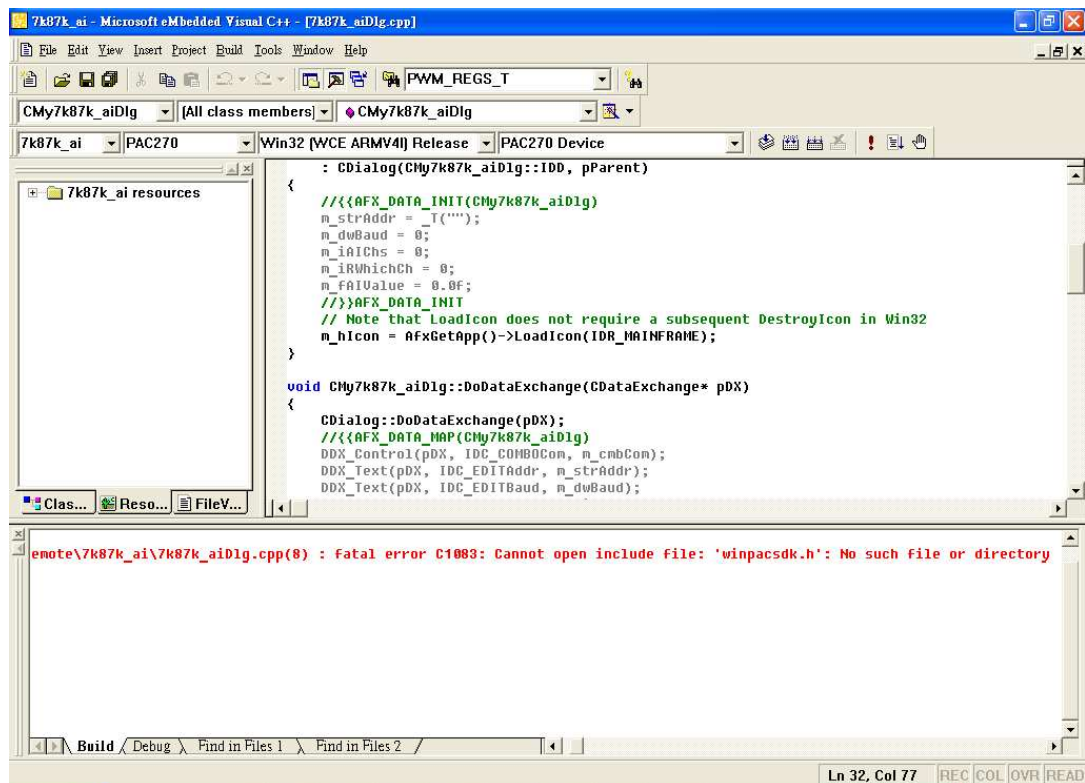
Build EVC Demo

Load an EVC demo, such as loading

CD\wapdos\wp-8x4x_ce50\Demo_V1210\WinPAC\VC\PAC_IO\Remote\7k87k_ai

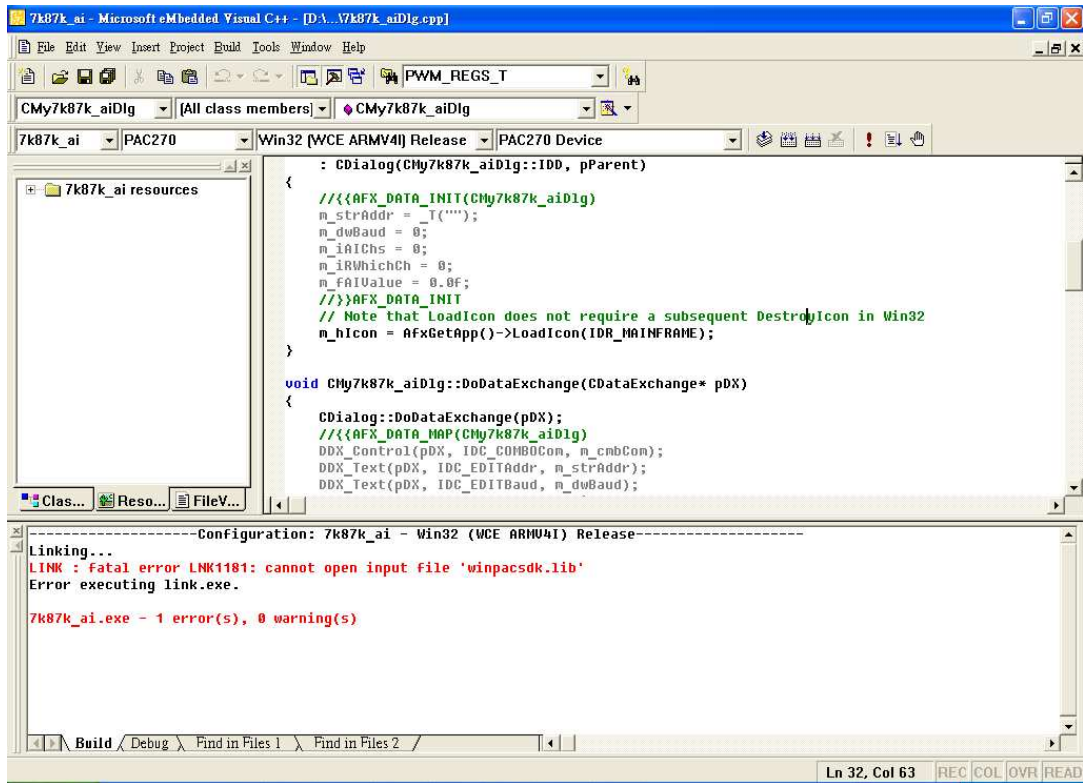
The error messages will appear on the EVC IDE environment below.

...\7k87k_ai\7k87k_aiDlg.cpp(8) : fatal error C1083: Cannot open include file: 'winpacsdk.h': No such file or directory

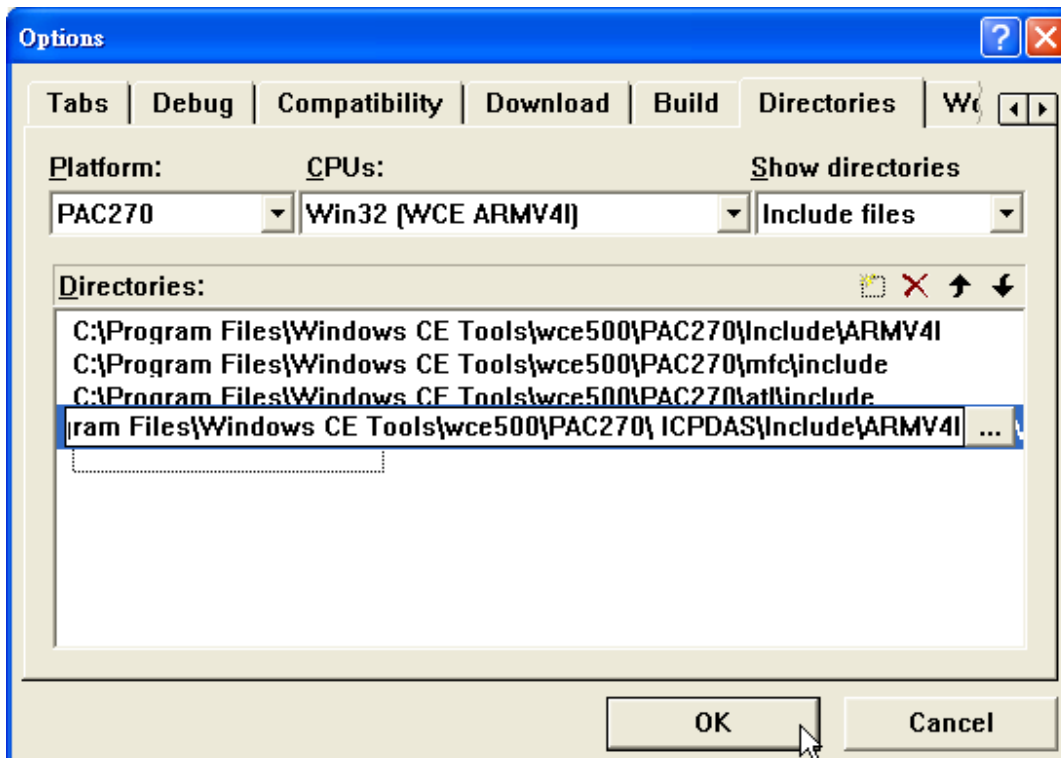


Or

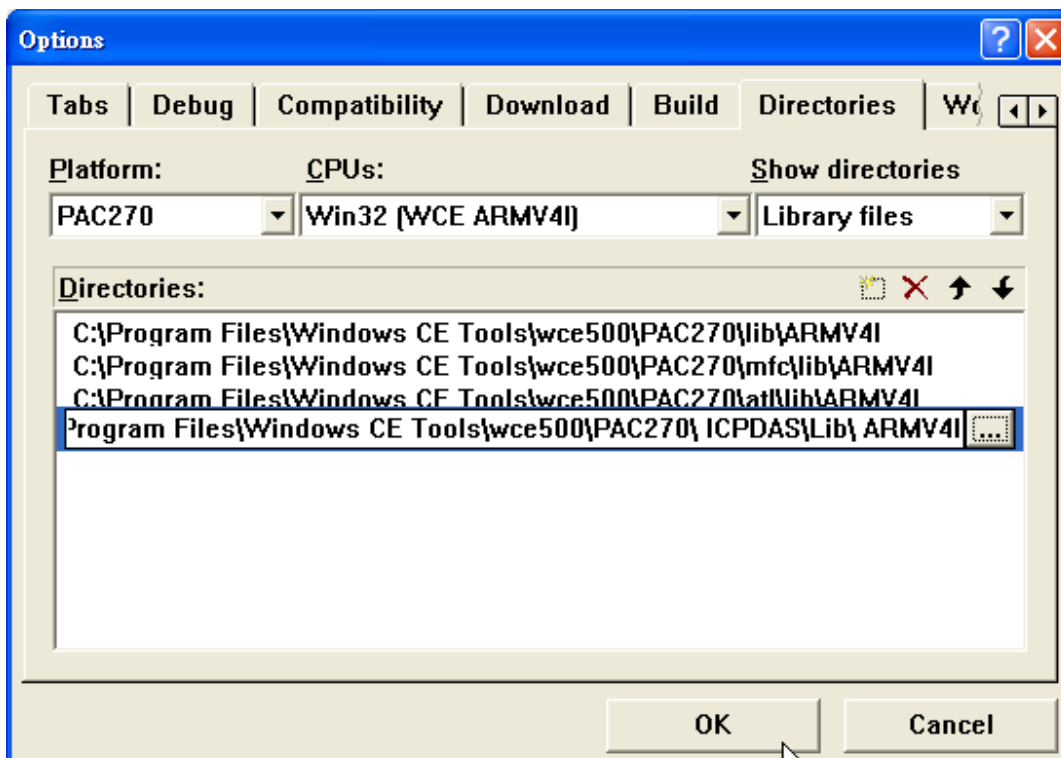
LINK : fatal error LNK1181: cannot open input file 'winpacsdk.lib'



Click Directories tab on the Tools -> Options and add “*C:\Program Files\Windows CE Tools\wce500\PAC270\ICPDAS\Include\ARMV4I*” to “ Directories:” below



Add *C:\Program Files\Windows CE Tools\wce500\PAC270\ICPDAS\Lib\ARMV4I* to "Directories:" below



Finish the actions above, and then click “OK” button.

Build the project again, and the project can be built successfully.

Debug WinPAC programs in Visual Studio 2005/2008

The OS image version of the WinPAC series must be V1.3.0.4 or later, and PAC270_SDK_20090225.msi must be installed on the PC.

The following steps are how debugs .Net CF program in VS2005/VS2008

Step 1: Copy the following files to \System_Disk\ICPDAS\System folder on WinPAC-8000

- Clientshutdown.exe
- ConmanClient2.exe
- CMaccept.exe
- eDbgTL.dll
- TcpConnectionA.dll

Before copying these files to WinPAC-8000, make sure these files below are the same version.

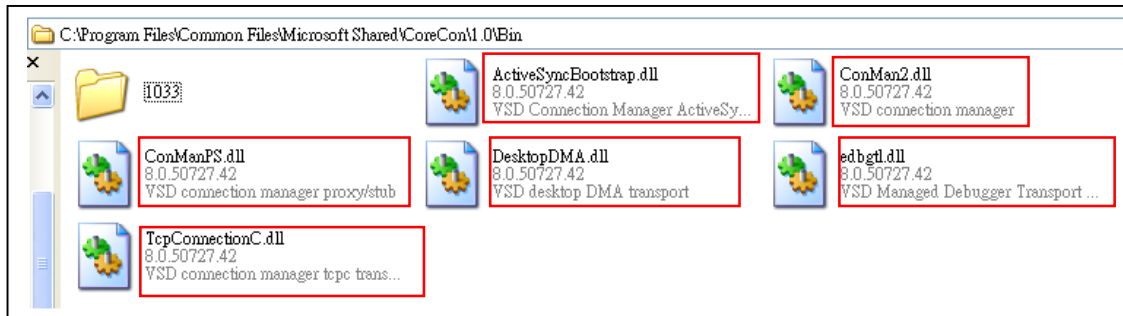
For example

The version number of all the files below is 8.0.50727.42

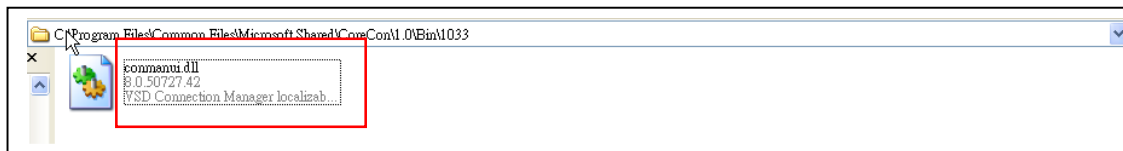
1. C:\Program Files\Common Files\Microsoft Shared\CoreCon\1.0\Target\wce400\armv4i



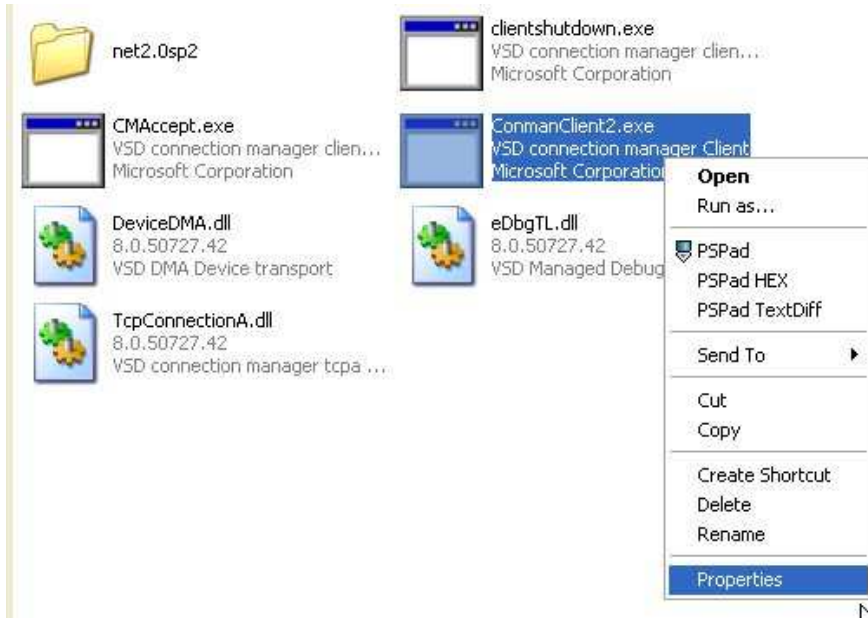
2. C:\Program Files\Common Files\Microsoft Shared\CoreCon\1.0\Bin



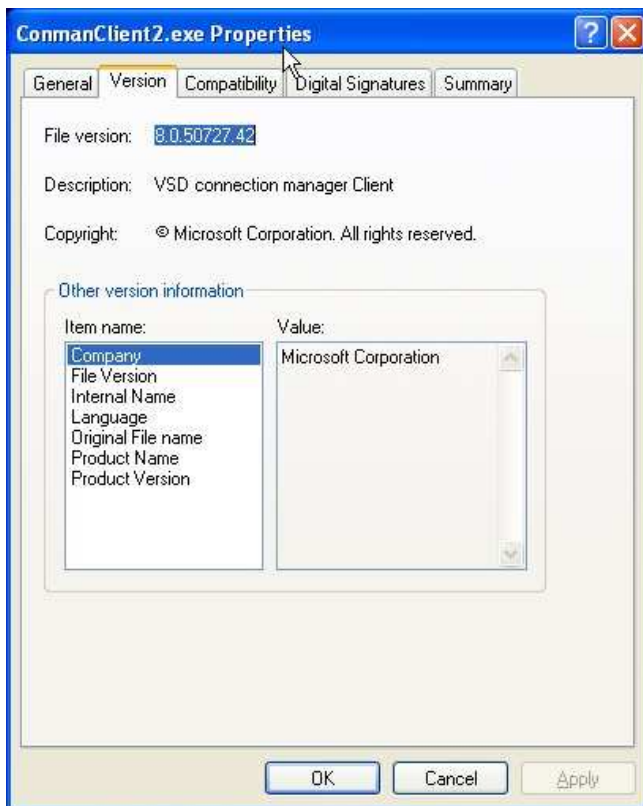
3. C:\Program Files\Common Files\Microsoft Shared\CoreCon\1.0\Bin\1033



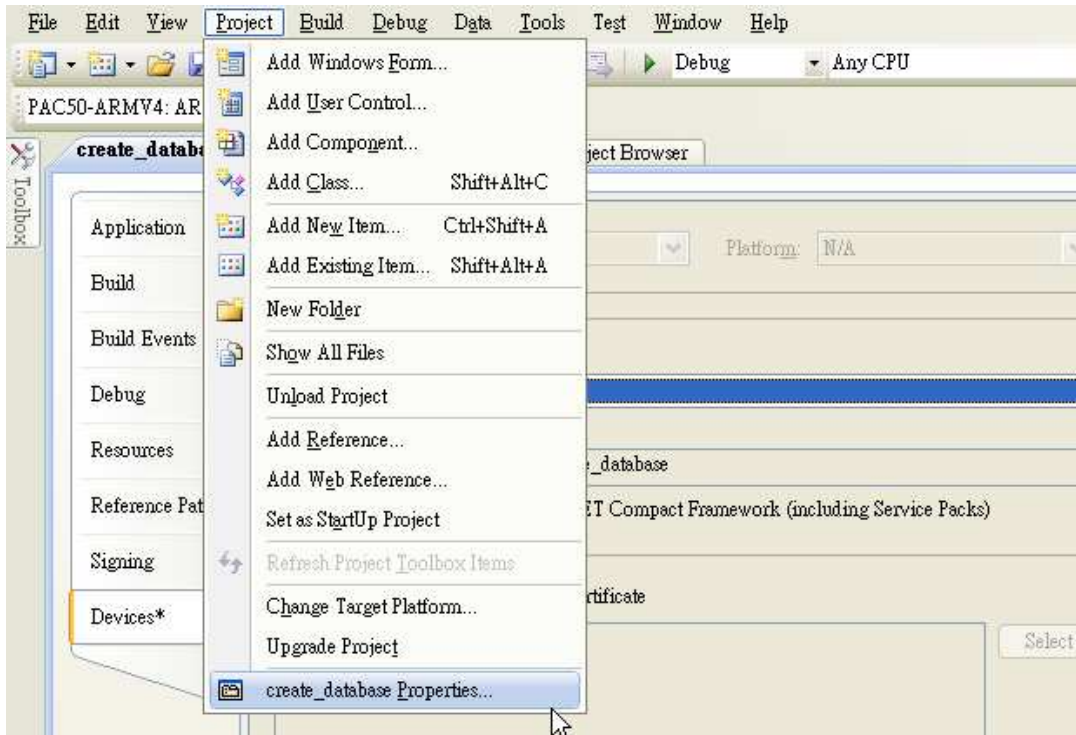
4. Right click the file and click properties to check the clientshutdown.exe/CMAccept.exe/ConmanClient2.exe



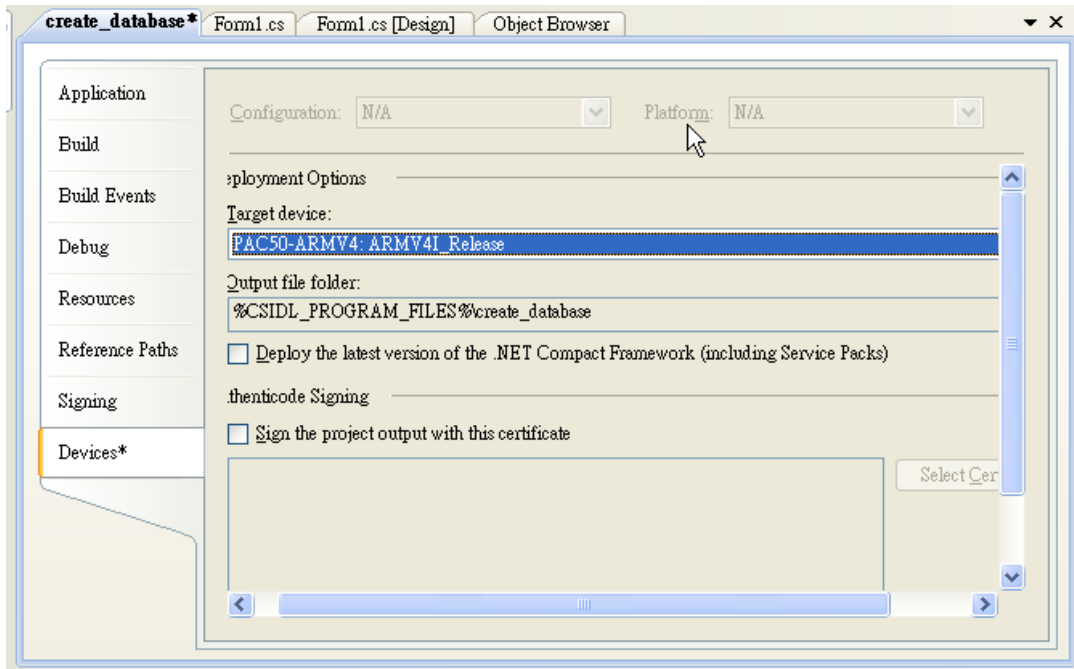
Select the " Version" tab and Check the File Version



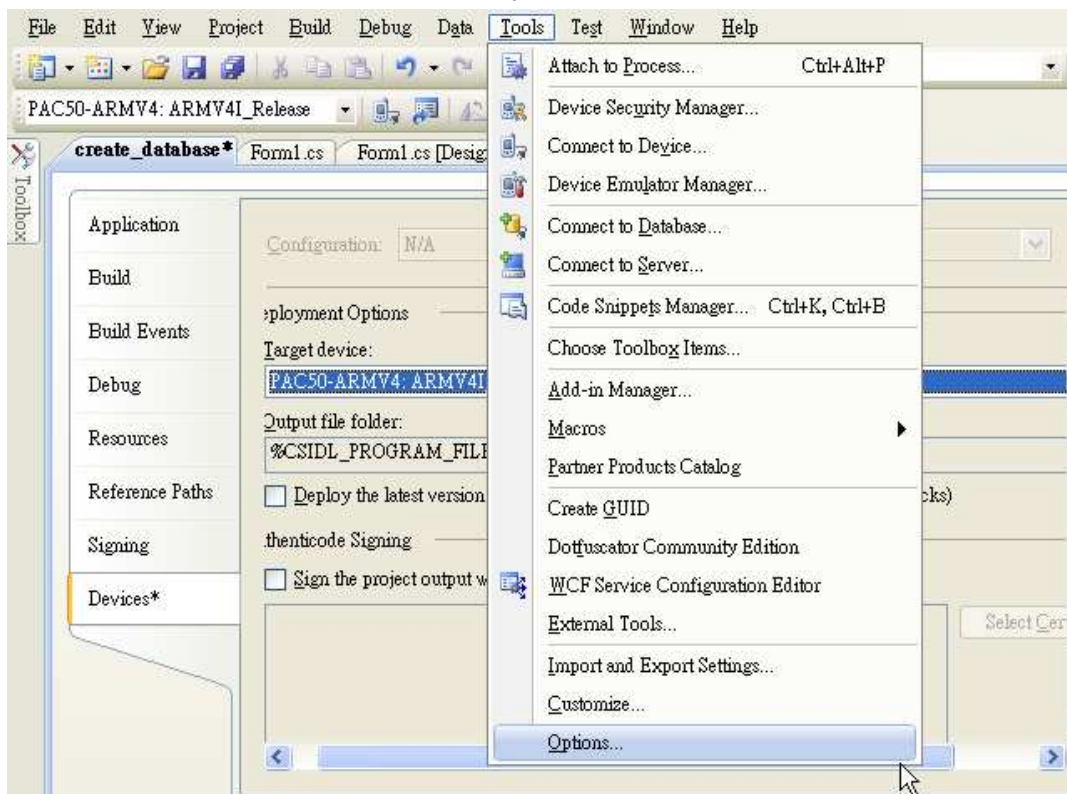
Step 2: On the “ Project” menu, click “ [Project Name] Properties...” command



Step 3: On the “SystemInfo*” tab, unselect “Deploy the latest version of the .NET compact Framework (including Service Packs)” check box

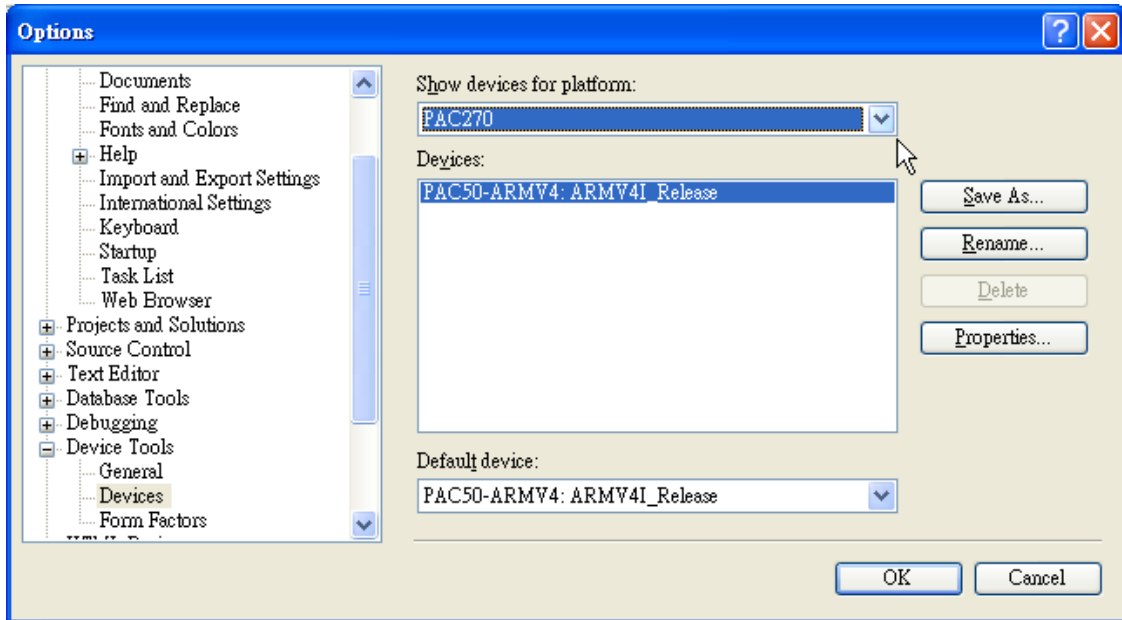


Step 4: On the “Tools” menu, click “Options…” command

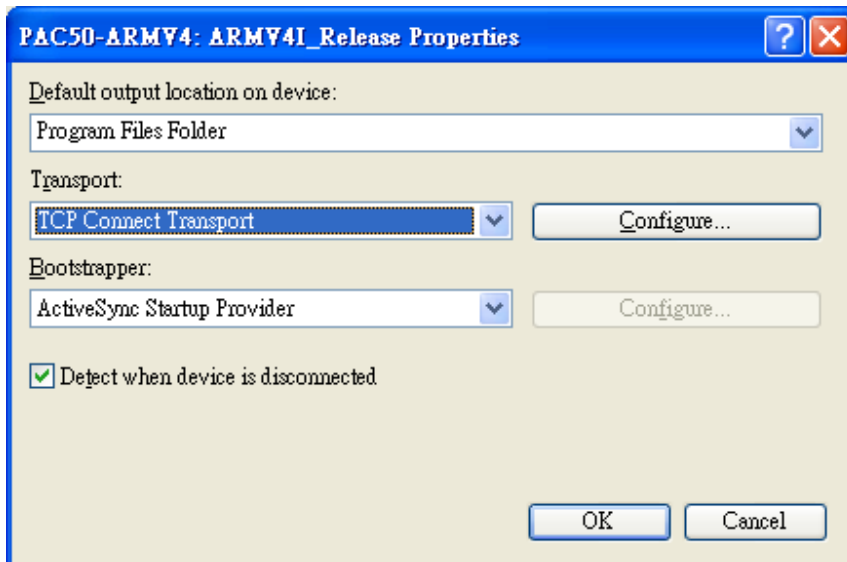


Step 5: On the “Options” dialog, select “PAC 270” from the “Show

devices platform” list, and then click the “Properties…” button

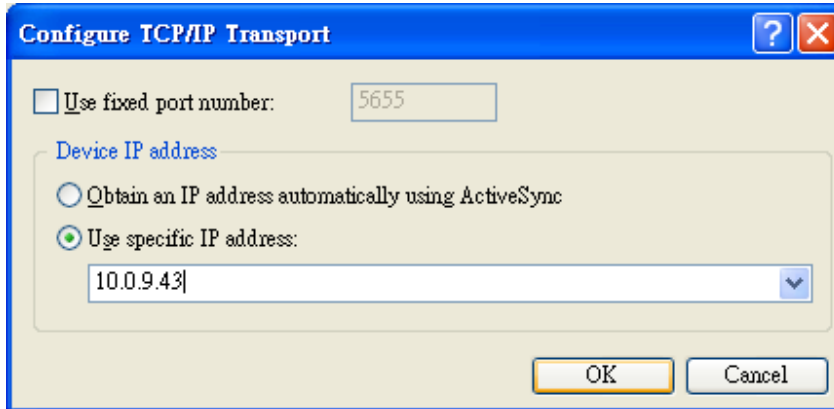


Step 6: On the “PAC50- ARMV4:ARMV4I_Release Properties” dialog, click the “Configure…” button

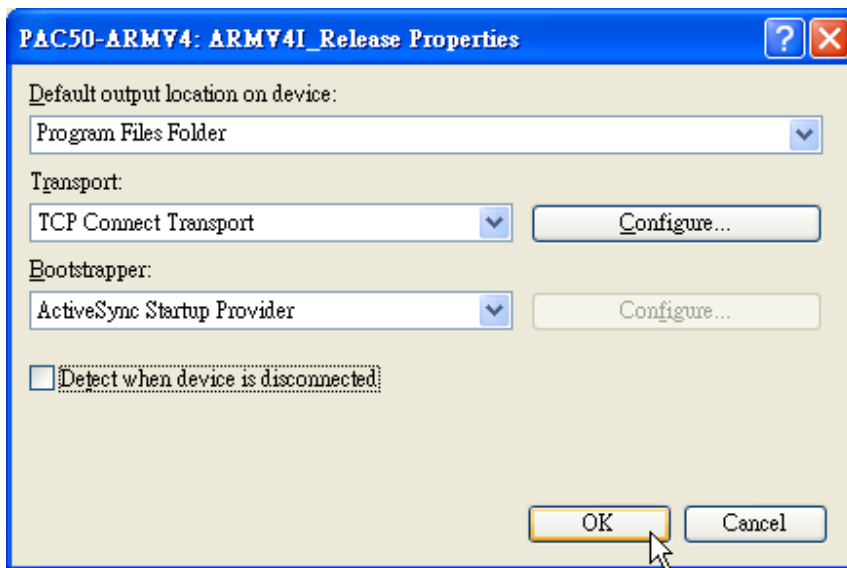


Step 7: On the “Configure TCP/IP Transport” dialog, select the “Use

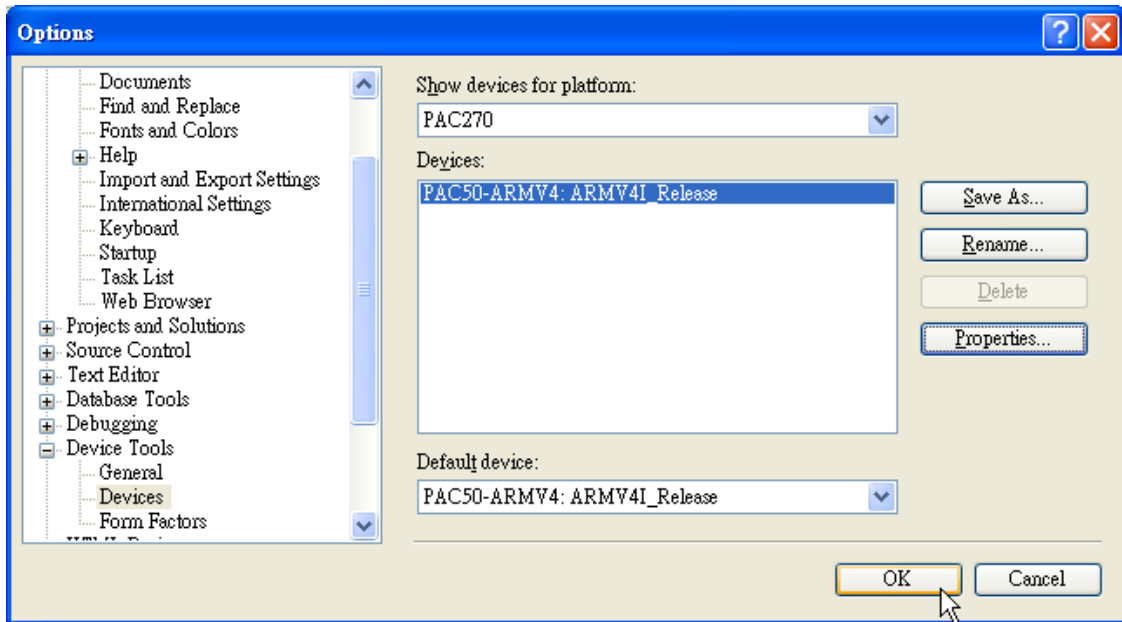
specific IP address” option and type the IP address of WinPAC-8000, and then click the “OK” button



Step 8: On the “PAC50- ARMV4:ARMV4I_Release Properties” dialog, click the “OK” button

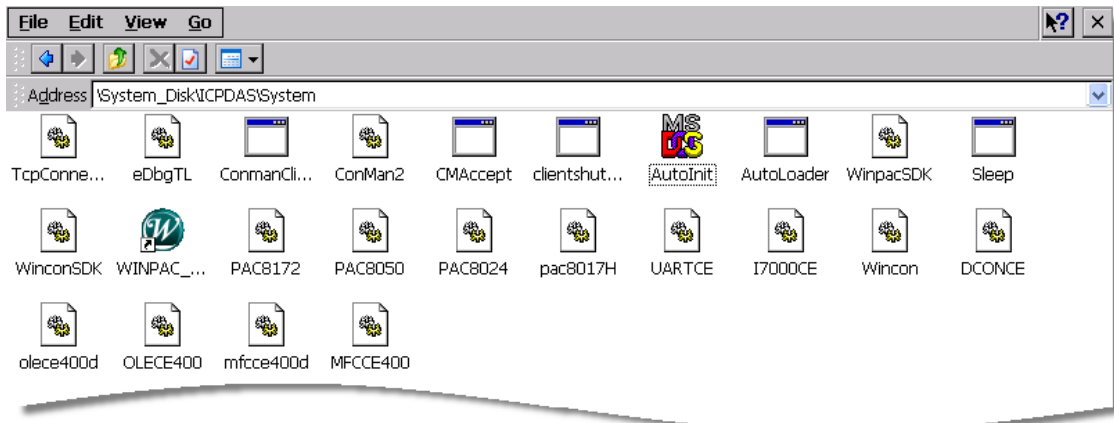


Step 9: On the “Options” dialog, click the “OK” button

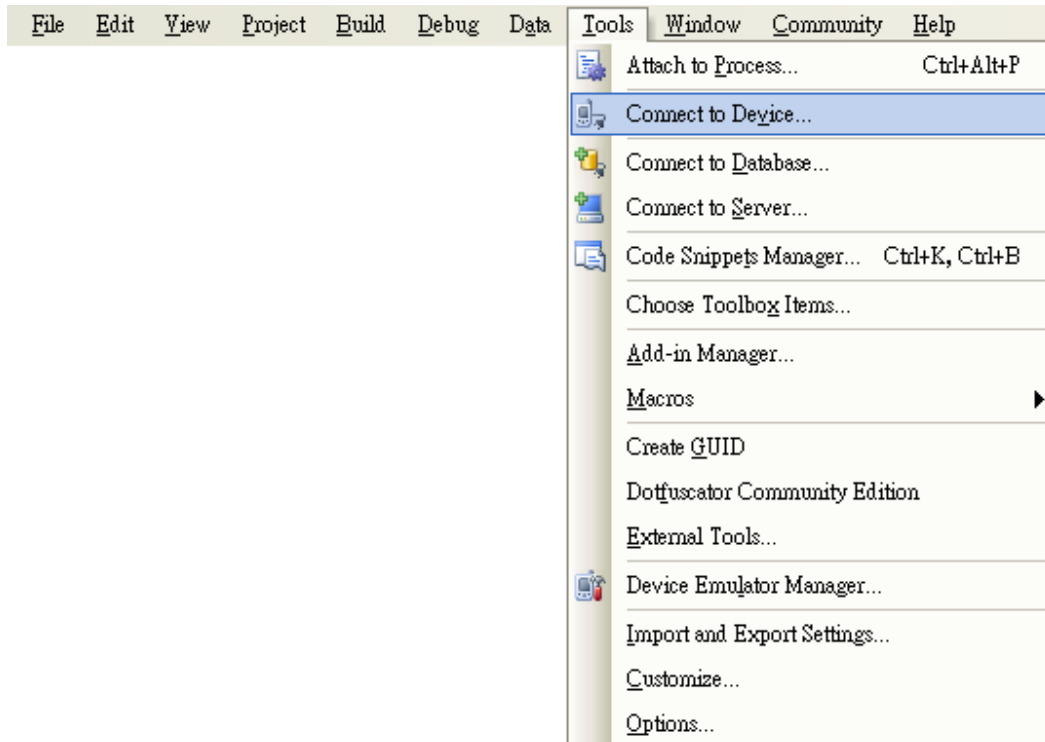


Step 10: On the WinPAC-8000 controller side, run the “CommanClient2” and the “CMAccept.exe” applications which is located at:

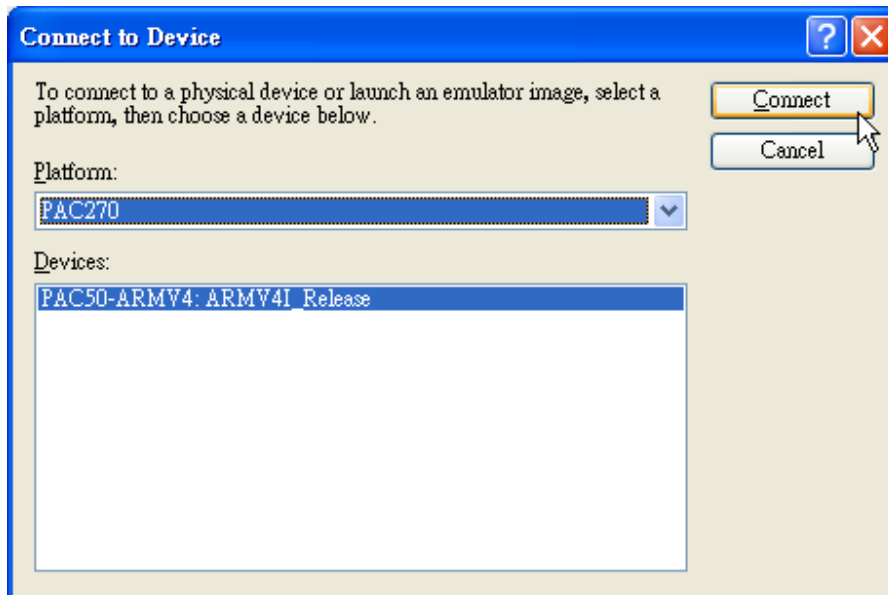
\System_Disk\ICPDAS\System



Step 11: On the “Tools” menu, click “Connect to Device...” command



Step 12: On the “ Connect to Device” dialog, select “ PAC 270” from “ Platform” list and then click the “ Connect” button



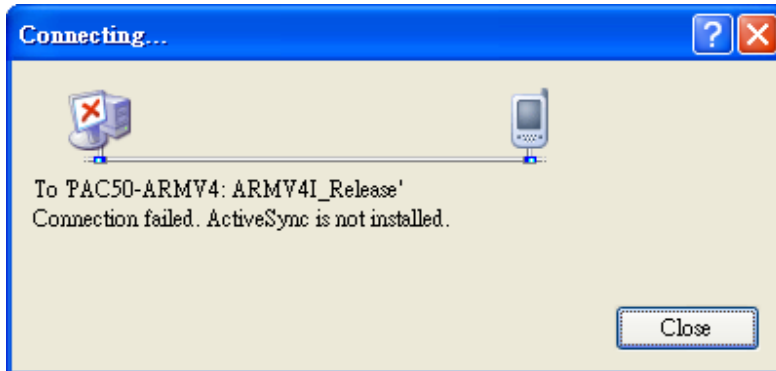
Step 13: On the “Tools” menu, click “Connect to Device...” command



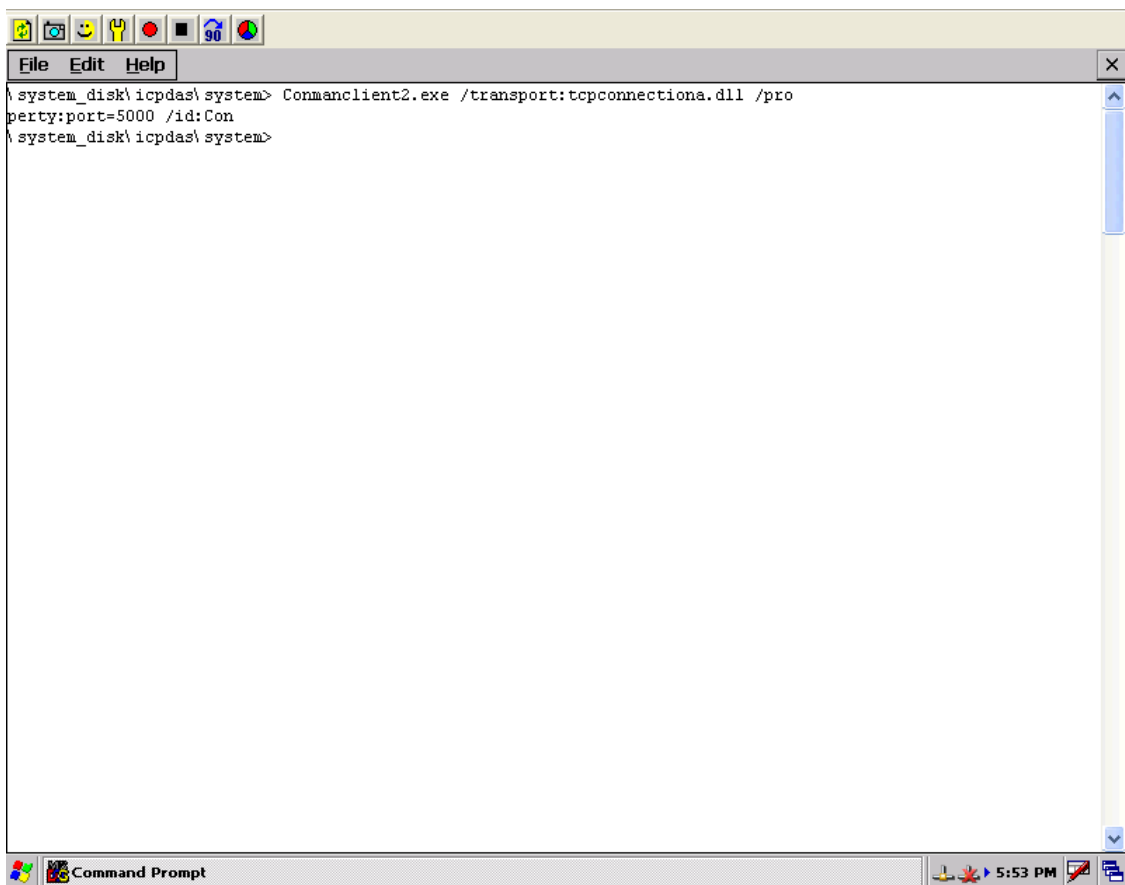
Step 14: Connection established. Then you can debug on line.

FAQ:

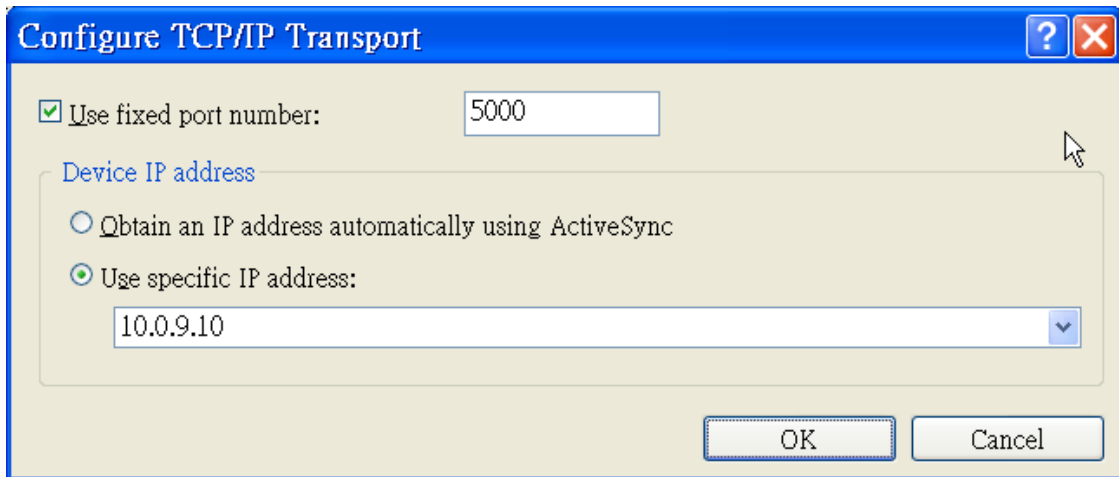
If the connection fails shown as follow, Return to Step 10 to do the action below



Run the “ConmanClient2.exe /transport:tcpconnectiona.dll /property:port=5000 /id:Con ” at: \System_Disk\ICPDAS\System, and then run the “ CMAccept.exe”



The port number defined on Property:port=5000 must be same with the setting on Step7 (Check “ Use fixed port number” and set to 5000)



Note:

The CommanClient2.exe must run before running CMAccept.exe.

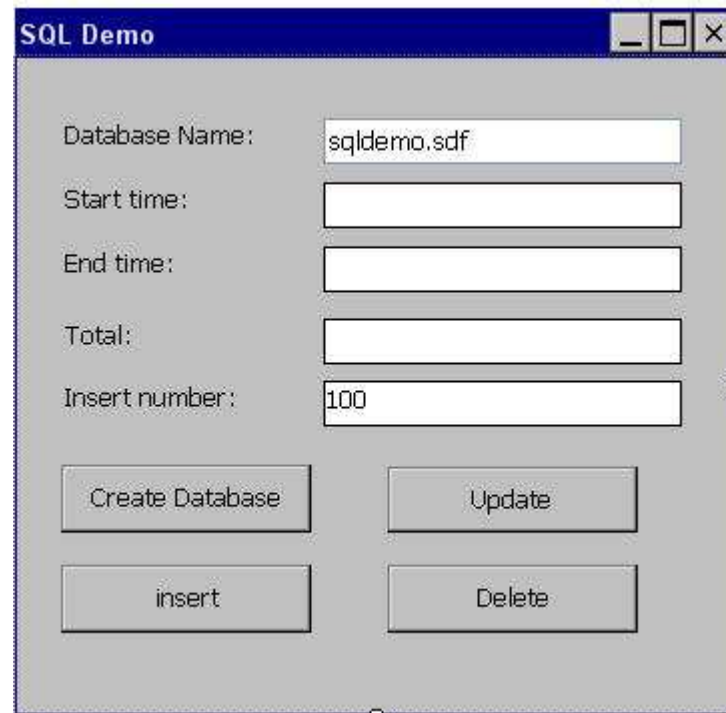
Support New Demo

1. SQL Demo

Location:

ftp://ftp.icpdas.com/pub/cd/winpac/napdos/wp-8x4x_ce50/demo/SQL_CE/C#/sql_basic

CD:\napdos\wp-8x4x_ce50\Demo\SQL_CE\C#\sql_basic



The screenshot shows a window titled "SQL Demo" with a standard Windows-style title bar (minimize, maximize, close buttons). The window contains a form with the following fields and buttons:

- Database Name:
- Start time:
- End time:
- Total:
- Insert number:
- Buttons: "Create Database", "Update", "insert", and "Delete".