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### How to debug EVC programs online through TCP/IP

Appli	es to:		
	Platform		
		~	

Platform	OS version	WinPAC/ViewPAC utility version
WP-8x3x/ XP-8x4x	All versions	All versions
WP-5000	All versions	All versions
VP-23W1/VP-25W1	All versions	All versions
VP-4131	All versions	All versions

To online debug the EVC programs, perform the following steps:

### Tips & Warnings

You must install the WinPAC SDK before you can develop any EVC programs. The WinPAC SDK is a Software Development Kit (SDK) that contains C header files, C libraries and documents.

Below is the step-by-step procedure for installing the WinPAC SDK.

Step 1: Insert the CD into your CD-ROM drive

Step 2: Execute the "PAC270\_SDK\_YYYYMMDD.msi" file which is located in:

CD:\Napdos\wp-8x4x\_ce50\SDK\

Step 3: Follow the prompts until the installation is complete

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**Step 1: Click** the "Tools->Configure Platform Manager..." menu option.

▶ 1 Error Lookup         ▶ 2 Remote Call Profiler (WCE500)         ▶ Remote File Viewer (WCE500)         ▶ Remote Heap Walker (WCE500)         ▶ Remote Kernel Iracker (WCE500)         ▶ Remote Performance Monitor (WCE500)         ▶ Remote Process Viewer (WCE500)         ▶ Remote Registry Editor (WCE500)         ▶ Remote System Information (WCE500)         ▶ Remote Zoomin (WCE500)         ▶ Remote Zoomin (WCE500)         ▶ Select Remote Tools         ▶ Quick Macro         Customize         ▶ Macro         Record Quick Macro       Ctrl+Shift+R         Play Quick Macro       Ctrl+Shift+P	<u>File E</u> dit <u>V</u> iew Insert Project Build	Tools Window Help
Configure Platform Manager		<ul> <li>I Error Lookup</li> <li>Remote Call Profiler (WCE500)</li> <li>Remote File Viewer (WCE500)</li> <li>Remote Heap Walker (WCE500)</li> <li>Remote Kernel Iracker (WCE500)</li> <li>Remote Performance Monitor (WCE500)</li> <li>Remote Performance Monitor (WCE500)</li> <li>Remote Registry Editor (WCE500)</li> <li>Remote System Information (WCE500)</li> <li>Remote System Information (WCE500)</li> <li>Remote Zoomin (WCE500)</li> <li>Select Remote Tools</li> <li>Customize</li> <li>Options</li> <li>Macro</li> <li>Record Quick Macro Ctrl+Shift+R</li> <li>Play Quick Macro Ctrl+Shift+P</li> </ul>

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#### Step 2: Click the "Properties..." button.

Windows CE Platform Manager Config	uration
Select a platform or device to configure	
PAC270 PAC270 Device SA_IA SA_IA STANDARDSDK_420 T Windows CE Default Platform	Add Device Delete Properties A hour
<u>        0</u> K	

## Step 3: Click the "Configure..." button.

Device Properties
Device Name:
TAC2/0 Device
Select a transport and a startup server. Choose Test to verify that you can establish a connection to your target device with the selected transport and startup server
Transport:
TCP/IP Transport for Windows CE
Startup Server:
Manual Server Configure
<u>OK</u> <u>Cancel</u> <u>T</u> est

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**Step 4: Check** the "Fixed port" check box and click the "OK" button.

TCP/IP Transport Configuratio	n	
Configuration for device: PAC270 Device		
Check connection status	Interval (msec):	60000
Fixed port	Port number:	5000
HostiF		
Use fixed address:	10.0.9.52	<b>_</b>
C Configure automatically over	serial	
	<u>C</u> ancel	

Step 5: Click the "OK" button.

Device Properties	
Device Name:	
PAC270 Device	
Select a transport and a startup server. Choose Test to verify the establish a connection to your target device with the selected tra startup server	at you can msport and
Iransport:	I
TCP/IP Transport for Windows CE	Configure
<u>S</u> tartup Server:	
Manual Server 🗨	Configure
OK Cancel Iest	

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Step 6: Click the "OK" button.

Windows CE Platform Manager Configuration					
Select a platform or device to configure					
PAC270	<u>A</u> dd Device				
PAC270 Device	Delete				
	Properties				
- G	About				

Step 7: Click the "Build" menu and select the "Start Debug" command, then click the "Go" command.



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**Step 8:** The "Manual Server - Action" dialog will appear displaying a **command** line. Change to the WinPAC controller side to perform the next two-steps before clicking the "OK" button.

Manual Server - Action	
Please make sure the following files are on the device	
\WINDOWS\cengrc.exe \WINDOWS\cetlstub.dll	
Command	]
And launch CEMGRC.EXE with the following cmd line CEMGRC.EXE /T:TCPIPC.DLL /Q /D:10.0.9.52:2008	
Cancel	
Step 9: On the WinPAC side, click the "Start->Run" me	enu option.
<ul> <li>Programs</li> <li>★ Favorites</li> <li>▲ Documents</li> <li>▲ Settings</li> <li>▲ Help</li> <li>■ Run</li> </ul>	
Step 10: Enter the command that was displayed in step	8 and then click the "OK" button
Run	
Type the name of a program, folder, or document, and Windows will open it for you.	Enter the command in this textbox
Open:	
:tcpipc.dll /q /d:10.0.9.52:5000	
Browse OK	
ICP DAS Co., Ltd. Technic	cal document

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Step 11: Return to the Host PC side, then click the "OK" button, in the "Manual Server – Action" dialog.

Manual Server - Action
Please make sure the following files are on the device
\WINDOWS\tcpipc.dll \WINDOWS\cemgrc.exe \WINDOWS\cetIstub.dll
And launch CEMGRC.EXE with the following cmd line
CEMGRC.EXE /T:TCPIPC.DLL /Q /D:10.0.9.52:2008
OK Cancel

Step 12: Click the "OK" button.

Microsoft eMbedded Visual C++	?×
'C:\\ARMV4IRel\Memory.exe' does not contain debu information. Press OK to continue.	ıgging
Do not prompt in the future.	
OK Cancel	

Step 13: After the connection is established, you can debug your programs online.

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# Tips & Warnings

If you want to quit the debugger and return to editing, click the "Stop Debugging " button in the "Debug" menu or press Shift+F5.

📃 <u>F</u> ile	<u>E</u> dit	<u>V</u> iew	Insert	<u>P</u> roject	Deb	ug <u>L</u> av	but	<u>T</u> ools	<u>W</u> indow	<u>H</u> elp
						Go				F5
					Ð	Restort			Ctrl+Shit	it+F5
				(	ЗĮ	Stop <u>D</u> e	bugg	ring	Shit	ît+F5
					ΞI	<u>D</u> rock				
					{ <b>!</b> }	Step Int	0			F11
					$\overline{\{\}^{\downarrow}}$	Step <u>O</u> v	er			F10
					$\{ \}^{\downarrow}$	Step O <u>u</u>	t		Shift	+F11
					7{}	Run to (	Curs	or	Ctrl	+F10
					ц,	<u>E</u> xceptio	ons			
					통	Threads				
						<u>M</u> odule:	s			
					+	Show N	ext S	tatemer	nt Alt+N	um *
					661	QuickW	atch			

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# **Revision History**

Revision	Date	Description
1.0.1	2013/05/16	NEW: Added support information for WP-5000 and VP-4131.
1.0.0	2010/02/12	Initial release