Classification	System and Application FAQ on WinCE PAC					No.	2-014-00
Author	Tunglu-Yu	Version	1.0.1	Date	2013/05/16	Page	1/5

# How to configure a Windows PC as an authoritative time server in LAN

Platform	OS version	WinPAC/ViewPAC utility version
WP-8x3x	V1.2.0.2 and later	V2.0.2.0 and later
WP-8x4x	V1.5.0.2 and later	V2.0.2.0 and later
VP-25W1	V2.0.0.1 and later	V2.0.2.0 and later
VP-23W1	V2.1.0.0 and later	V2.0.2.0 and later
WP-5000	All versions	All versions
VP-4131	All versions	All versions

The system time on the WinPAC is not always accurate, so you may need to use an authoritative time server in order to synchronize the system time on WinPAC. However, many people rely on the time server in a closed network for security reasons. To overcome this, ICP DAS provides a program to set a Windows XP or Windows 2000 PC as the authoritative time sever, so that you can synchronize the system time on WinPAC in a closed LAN.

To configure an authoritative time server in Windows XP or Windows 2000, perform the following steps:

## On the PC Side

**Step 1:** Execute the SNTP\_server\_interface.exe program on the PC. (The SNTP\_server\_interface.exe program is located at CD:\\napdos\wp-8x4x\_ce50\PC\_Tools\ SNTP\_server\_interface)

🔜 Configure an authoritative time serv	ver in Windows Server 🛛 🔲 🔀
This interface can be used to start the time() or Windows Server 2003. When the time server is running, the other the system time with this PC. Click the Start time service button to start ti	SNTP) service on Windows XP WinPAC can automatically synchronize ime server
Start time service	Close time service

Classification	System and Application FAQ on WinCE PAC					No.	2-014-00
Author	Tunglu-Yu	Version	1.0.1	Date	2013/05/16	Page	2/5

Step 2: Click the "Start time service" button.

(If you want to close the time service, click the "Close time service" button)



#### **Step 3:** Click the "Yes" button to start the time server.



Classification	System and Application FAQ on WinCE PAC					No.	2-014-00
Author	Tunglu-Yu	Version	1.0.1	Date	2013/05/16	Page	3/5

### On the WinPAC/ViewPAC Side

Step 4: Synchronize the time on the WinPAC system with the time server.

- 4.1: Execute the WinPAC utility on the desktop and click the "System Settings" page.
- 4.2: Click the "Configure" button.

WinPAC Utility [2.0.2.0]				📃 🗖 🗵
File Help Configuration 4.1				
System Setting FTP :	Setting	System Information	Auto Execution	Multi-serial port 🕢 🕨
	Welco This too Disp	ome to use Win of will help you to set olay Resolution : 800	PAC Utility WinPAC - 8000. * 600	
WinPAC				
Data Acquisition System			Setting	
Battery1 : OK	Task Ba	ar Setting: 📃 Auto Hid	le 🛛 🔽 Always On	Тор
Battery2 : OK		Empty	Desktop	
Change HTTP document root directory \	windows	\www\wwwpub to:		
\windows\www\wwwpub\			Setting	
Configure the synchronization with a tim	ie server	Configure		4.2

**4.3:** Enter the IP address for the LAN time server.

- **4.4:** Enter a value for the Synchronization frequency.
- 4.5: Check the "Automatically synchronize with an internet time server" check box.

	Internet Time 1.0.0.1 4.3
	Step1: Zerver: pool.ntp.org
	Step2: Autoupdate Frequency: 1440 minute
	Step3: 4.5
¢	Automatically synchronize with an internet time server
	Update Now
	Step 4:Go to "File">"Save and Reboot" to enable driver
	Auto update stopped
	ICP DAS Co., Ltd. Technical document

Classification	System and Application FAQ on WinCE PAC					No.	2-014-00
Author	Tunglu-Yu	Version	1.0.1	Date	2013/05/16	Page	4/5

**4.6:** Click the "File->Save and Reboot" menu option.



- **4.7:** After rebooting, automatically synchronizing with the internet time server will execute since it connects to the internet.
- 4.8: Click the "Update Now" button to immediately update the system time.

Internet Time 1.0.0.1 📃 📃 🔀
Step1: Server: pool.ntp.org
Step2: Autoupdate Frequency: 1440 minute
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Classification	System and Application FAQ on WinCE PAC					No.	2-014-00
Author	Tunglu-Yu	Version	1.0.1	Date	2013/05/16	Page	5/5

# **Revision History**

Revision	Date	Description
1.0.1	2013/05/16	NEW: Added support information for WP-5000 and VP-4131.
1.0.0	2010/10/21	Initial release