

# XP-8X4X CE6 OS Release Note,

## Version 1.3.2.0 [Feb., 23, 2011]

OS Key Features:

Features	Supported	Description
Language of OS	Yes	Windows CE 6.0 Multi-language edition <ul style="list-style-type: none"> <li>● English</li> <li>● German</li> <li>● Russian</li> <li>● French</li> <li>● Spanish</li> <li>● Japanese</li> <li>● Italian</li> <li>● Simplified Chinese</li> <li>● Traditional Chinese</li> </ul>
.NET Compact Framework 3.5	Yes	
SQL CE 3.5	Yes	SQL CE 3.5 (3.5.5386.0)
FTP Server	Yes	
Http Server	Yes	
Telnet	Yes	
Printer	Yes(PCL 6)	For HP Laser Jet printer on USB and Ethernet (over the network neighborhood)
Touch Panel	Yes	
Multi-Serial Module	Yes	i-8112iW (RS-232 *2), i-8114W (RS-232 *4), i-8114iW (RS-232 *4), i-8142iW (RS-485 *2), i-8144iW (RS-485 *4)



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# OS Version 1.3.2.0 [Feb., 23, 2011]

## Abstract

This update fix a problem that some USB devices cause the Watchdog to reset the system repeatedly and also fix COM3/COM4/COM5 driver bug. In addition, adds power management function for screen saving, synchronize the system time, etc.

## New Features

- Add PM (Power management) function to turn on/off the display. (Disable Power management as the factory default)
- Add a service that enables automatic synchronization of system time.
- Add printer function.
- Add “DCOM Remoting” component for NAPOPC.

## Bug Fixed

- Fix COM3/COM4/COM5 driver bug. The previous driver will hang due to the heavy COM3/COM4/COM4 communication.
- Fix a bug of USB host port. Some USB device (keyboard/Mouse/USB touch displayer/USB Hub, etc) sometimes makes the USB host port driver worked abnormally and causes the Watchdog reset the system repeatedly.

## Modifications (Changes)

- Provide two ways to save HIVE registry to Flash. One is saving to Flash automatically and the other is Manual save. (The default is “Save to Flash automatically)  
(Configuration by XPAC utility V1024 or later)

## XPAC SDK DLL Version 2.0.0.6 [February, 22, 2011]

### Bug Fixed

- Fix a bug that pac\_UnregisterSlotInterrupt causes the memory leakage
- Fix pac\_GetModuleType bug

## XPAC utility Version 1.0.2.8 [Jan., 07, 2011]

### Enhancements

Support for LX800 and ATOM series.

## New Software

### DCON\_Utility\_CE6: Version 1002

In previous usage for configuring the DCON modules installed on XPAC, It must run DCON\_CE on XPAC and need to install DCON utility on PC. Create a connection with two applications via Ethernet and allowed to do the configuration. DCON\_Utility\_CE6 can be run on XPAC directly and easily without the other PC software.

**Location:**

1. \System\_Disk\Tools\ DCON\_Utility\_CE6 on XPAC
2. \System\_Disk\Tools\ DCON\_Utility\_CE6 on the shipped CD

### modbus\_master\_tool: Version 100

Refer to the link below for more details

\System\_Disk\Tools\modbus\_master\_tool\version.txt on the shipped CD

**Location:**

1. \System\_Disk\Tools\modbus\_master\_tool on XPAC
2. \ System\_Disk\Tools\modbus\_master\_tool on the shipped CD

### SendToCOM: Version 1.0.0

Communication test for COM ports on XPAC and COM ports of multi-serial modules

**Location:**

1. \System\_Disk\Tools\SendToCOM on XPAC
2. \System\_Disk\Tools\SendToCOM on the shipped CD

### Notepad: Version 1028

A simple text editor for editing the text file

**Location:**

1. \System\_Disk\Tools\Notepad on XPAC
2. \System\_Disk\Tools\Notepad on the shipped CD

### VCEP: Version 4207

ICPDAS's remote desktop software for XPAC used to control the XPAC desktop remotely from PC

**Location:**

1. \System\_Disk\Tools\VCEP on XPAC
2. \System\_Disk\Tools\VCEP on the shipped CD

# How to configure the service for automatically synchronizing with the internet time server

**Step 1:** Execute the XPAC utility on the desktop and click the page for "General".

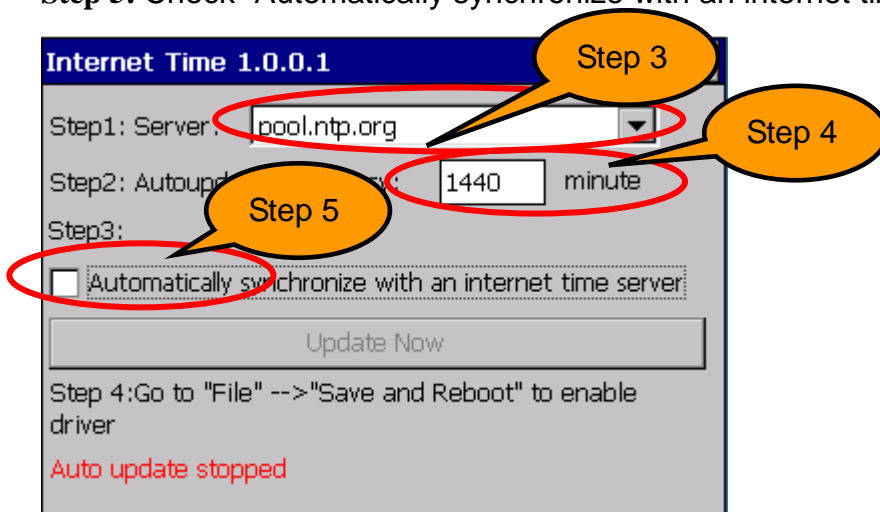
**Step 2:** Click the "Configure" button.



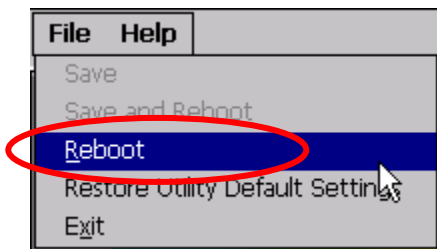
**Step 3:** Enter the domain name for the time server.

**Step 4:** Enter a value for the Synchronization frequency.

**Step 5:** Check "Automatically synchronize with an internet time server" check box.

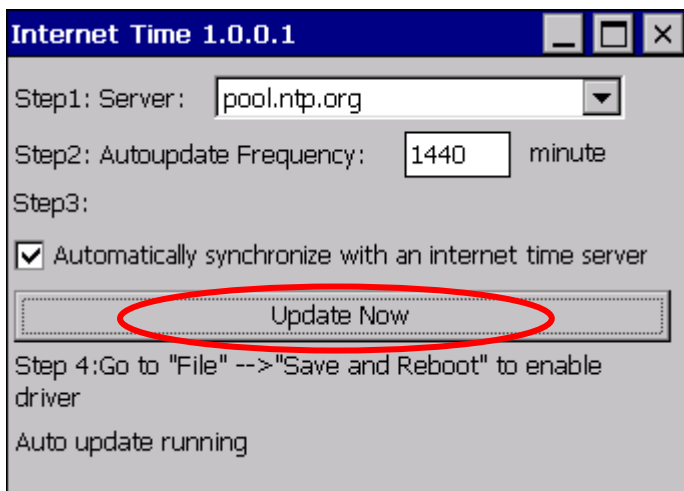


**Step 6:** Click the "File->Reboot" menu option.



**Step 7:** After rebooting, the service for automatically synchronizing with the internet time server will execute and update the system time after connecting to the internet.

**Step 8:** Click "Update Now" button to immediately update the system time.



# How to enable/display Power management to control turn the display On/Off

The OS have 4 different power states that will be the four states of the internal power manager state machine. The four states are “On /User Idle/System Idle/Suspend” The transition from On to User Idle and User Idle to Suspend is done after timers expirations. **The factory default of power management set as the disable.**

## Display off (On to System Idle status)

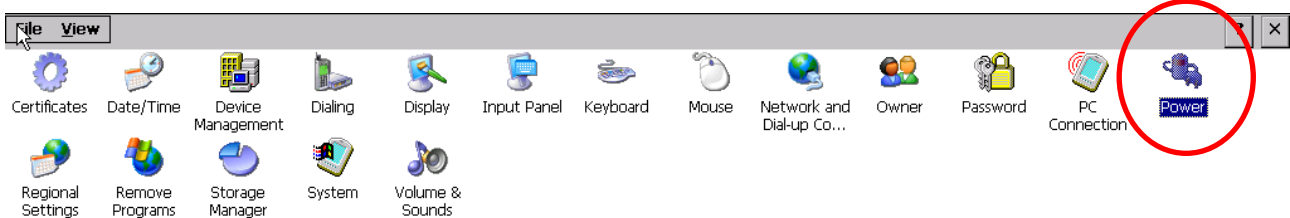
In this version of XPAC, the display will be turned off automatically, while the system state is system idle.

## Recovery Display (System Idle to On status)

If you do nothing on XPAC after 6 minutes (1 user idle time + 5 system idle time, the display will turn off. You can move mouse or press the keyboard button to wake up the display (turn the display on)

## Modified the system idle timeout

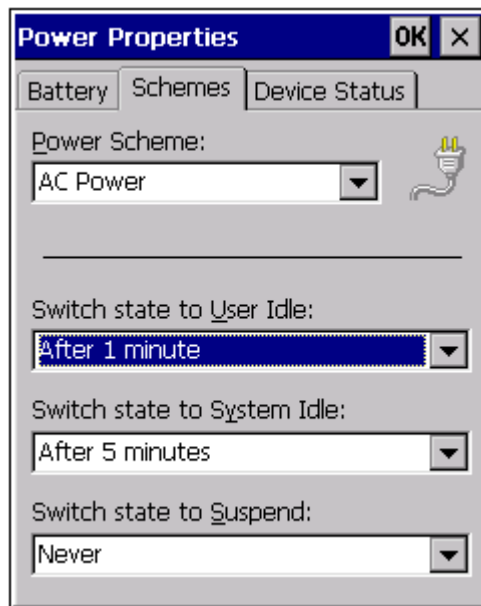
**Step1:** Click Start→Settings→ Control Panel→Power→Schemes



**Step2:** Select AC Power from Power Scheme

**Step3:** Modified the time value from "**Switch state to System Idle**"

**Note:** The default value for system Idle is 0 minutes (Never).

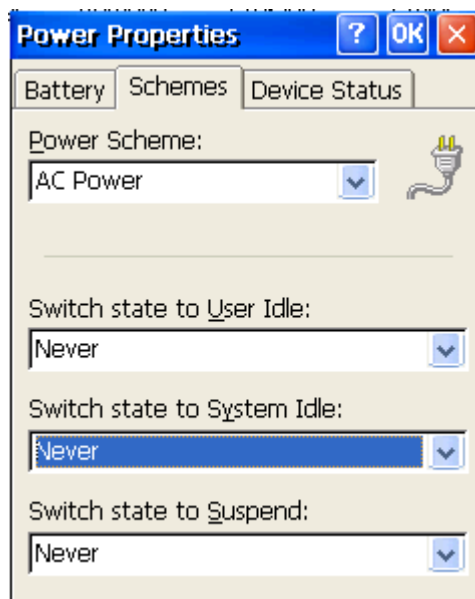


### Disable the display on/off by PM

**Step1:** Click Start→Settings→ Control Panel→Power→Schemes

**Step2:** Select AC Power from Power Scheme

**Step3:** Set the time value to **Never** on "**Switch state to System Idle**" and "**Switch state to User Idle**"



**Note:** The time value 0 of System Idle is to disable this function

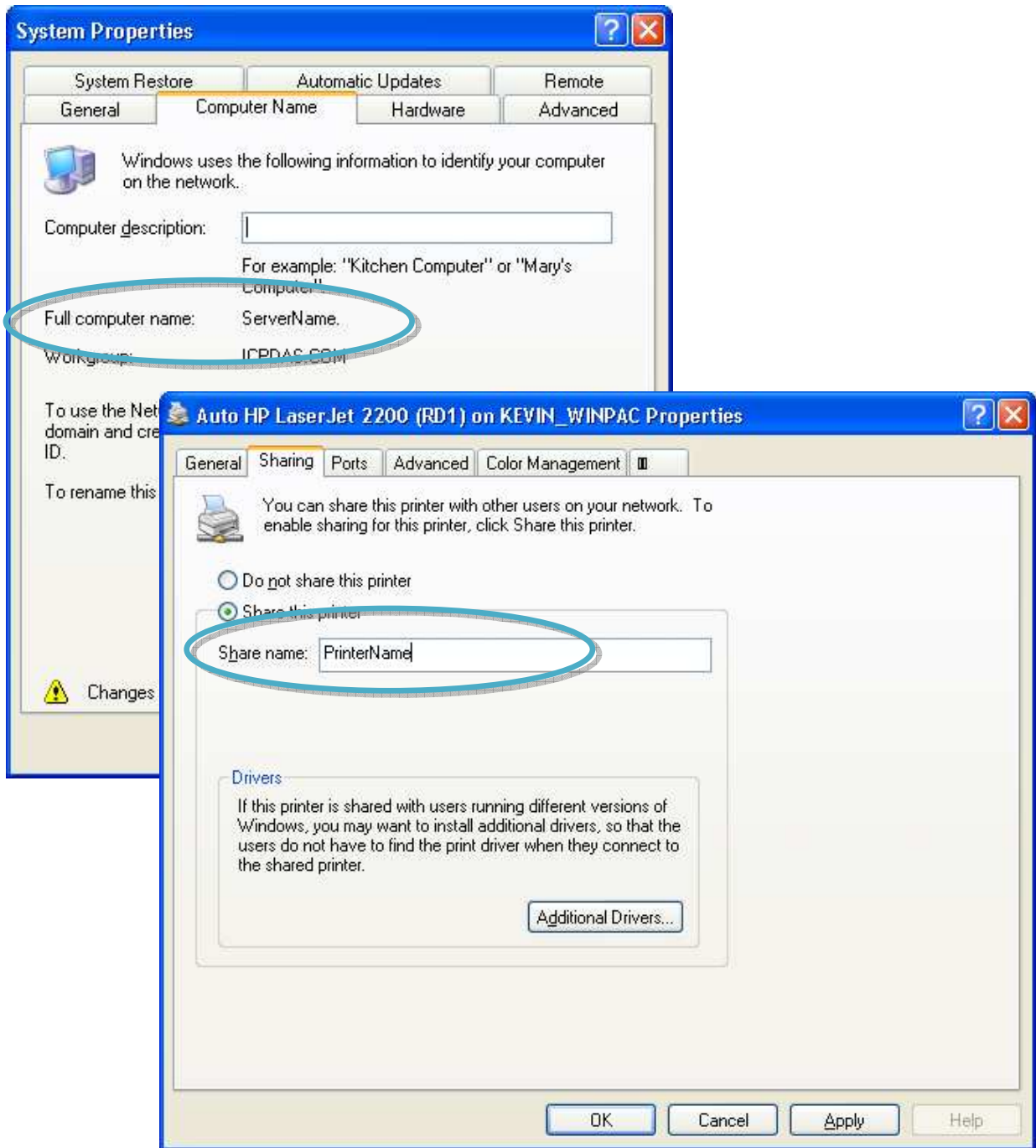


# How to use the printer on XPAC

## Network printer

To use a shared network printer, please perform the following steps:

**Step 1: On the Host PC, check the name of the Host PC and the shared printer**



**Step 2: On the XPAC, Run INotePad and open a text file.**

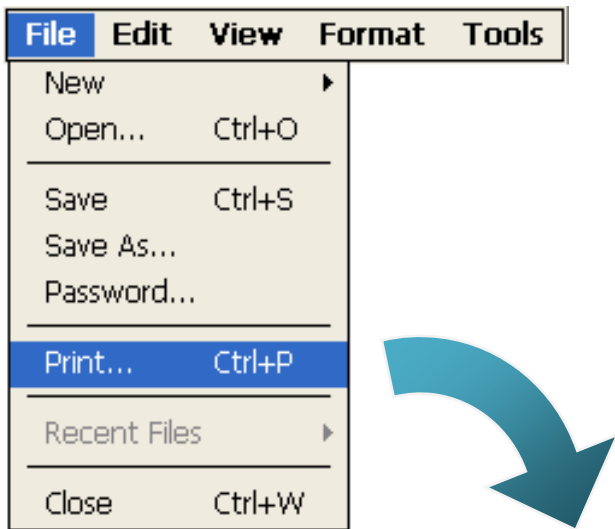
**Step 3: Set up the printer**

- 1. Printer: PCL Laser
- 2. Port: Network
- 3. Net Path: [\\ServerName\PrinterName](#)

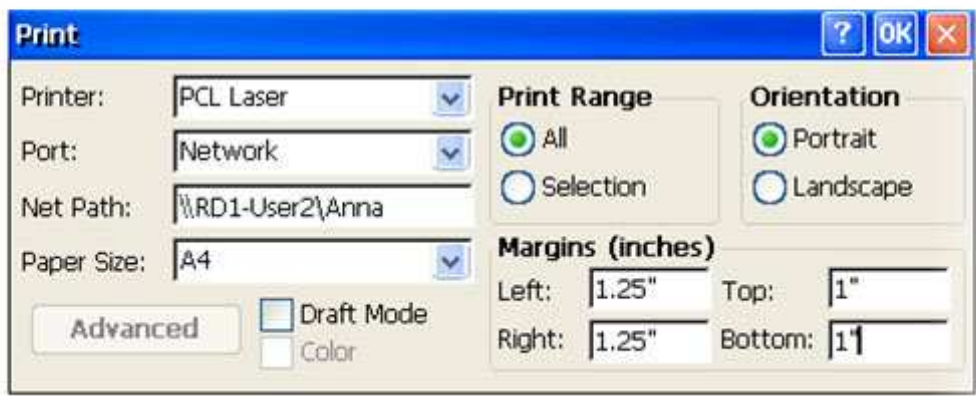
The "ServerName" is your PC's name or IP.

The "PrinterName" is your printer's shared name of your PC

- 4. Paper Size: Select the paper size



**Test !!!**



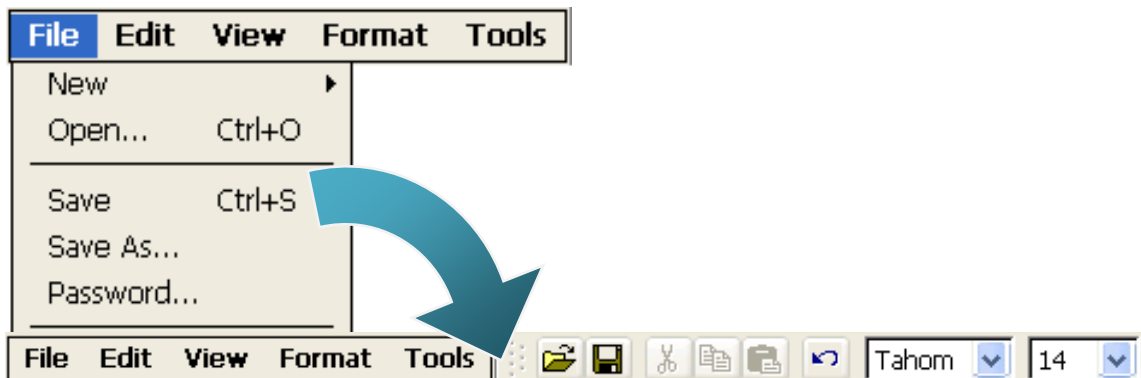
# USB printer

To use a USB printer, please perform the following steps:

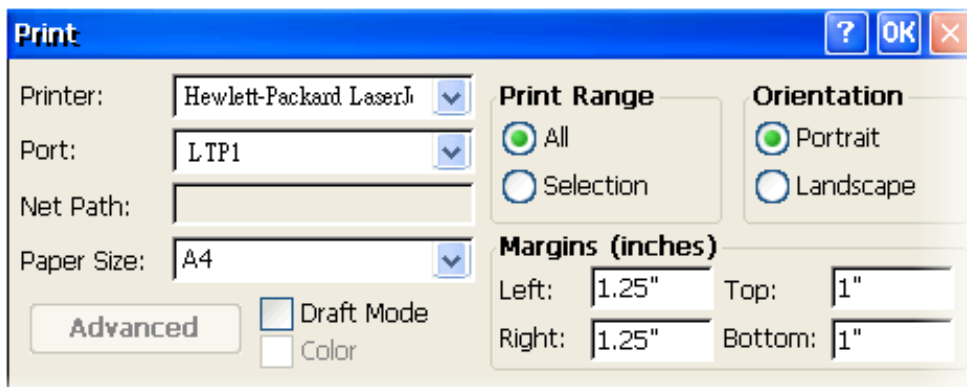
**Step 1: On the XPAC, Run INotePad and open a text file.**

**Step 2: Set up the printer.**

1. Printer: Hewlett-Packard LaserJet
2. Port: LPT1
3. Paper Size: Select the paper size



**Test !!!**



**Note:** XPAC only supports HP Laser Jet Printers which support PCL6 drive ◦

# Save HIVE Registry to Flash

## Default setting: Auto Save To Flash

The OS version of earlier than V1320 only provide one way for saving HIVE Registry to Flash. While the operation of writing the registry is finished (Called RegCloseKey in programming), the registry will be saved to Flash automatically. In general operations, such as modifying the settings of Power managment, and tetc on control panel or modifying the settings on XPAC utility. The settings of registry will be saved automatically by system after modifying. The setting of registry will not be lost even power off.



The OS version of V1320 or later don't only provide "Auto Save to Flash" function, but also provide the other way for saving the registry to Flash manually. The difference with the first way is that the registry will not be saved to Flash after calling RegCloseKey in programming. Correspondingly, The modified settings in Power managment, Regional Settins or etc on Control panel aren't saved. The user need to run File→Save and Reboot or File→Reboot after operating, or else the settings will be lost.

