

## XP-8x4x\_CE60 OS Update History

Last update [May 25, 2016]

OS Key Features:

Features	Supported	Description
OS Language	Yes	Windows CE 6.0 Multi-language edition <ul style="list-style-type: none"> <li>● English</li> <li>● French</li> <li>● German</li> <li>● Italian</li> <li>● Japanese</li> <li>● Korean</li> <li>● Russian</li> <li>● Spanish</li> <li>● Portuguese</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 (3.5.8080.0)
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	Support RS-232 and USB interface
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) The maximum ports can be extended to 28 (I.e., 7 slots * 4 ports/1 module max. = 28 ports)

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# OS Version 1.3.8.1 [May. 25, 2016]

This version of the OS includes added support for version 2.20 of the I-8144iW hardware.

## New Features

- Support for version 2.20 of the I-8144iW hardware.

## Toolkit Changes

All previous SDK packages have been unified and a new SDK has been created, known as the PACSDK.

The PACSDK.dll applies to C programs for the XPAC series, and replaces the previous SDK, XPACSDK\_CE.dll. The PACNET.dll applies to .Net CF programs (C#, VB) for both the XPAC and the WinPAC series, and replaces the previous SDKs, XPACNET.dll and WinPACNET.dll.

For more details, refer to Appendix C, "What's New in PACSDK" in the PAC API user manual, which can be found at:

[http://ftp.icpdas.com/pub/cd/xpac-atom-ce6/document/sdk/pac\\_standard\\_api\\_manual\\_1.1.0.pdf](http://ftp.icpdas.com/pub/cd/xpac-atom-ce6/document/sdk/pac_standard_api_manual_1.1.0.pdf)

- **PACSDK DLL Version 4.3.3.7** [ Jan. 10, 2016 ]
  - ◆ Added the functions `pac_SetModulePowerOnEnStatus` and `pac_GetModulePowerOnEnStatus`, which are used to retrieve the status of I-8014RW power.

# OS Version 1.3.7.0 [Jan. 14, 2014]

This version of the OS now includes support for VPN connections and supports Italian, German, Spanish, Portuguese and Russian language input, and fixes an issue related to the rescue disk.

## New Features

- Added support for VPN connections. Connections to the Internet can now be made via a VPN. For more details regarding VPN settings, refer to page 4.
- Added support for Italian, German, Spanish, Portuguese and Russian language input.

## Bug Fixes

- In the previous version of the rescue disk, if the user attempted to format the "System\_disk" using "Storage Manager" from the "Control Panel", an error message will be displayed saying, "Can't find BLDR", which means that the user was unable to access the OS even after re-installing it.

## Toolkit Changes

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The PACSDK.dll applies to C programs for the XPAC series, and replaces the previous SDK, XPACSDK\_CE.dll. The PACNET.dll applies to .Net CF programs (C#, VB) for both the XPAC and the WinPAC series, and replaces the previous SDKs, XPACNET.dll and WinPACNET.dll.

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[http://ftp.icpdas.com/pub/cd/xpac-atom-ce6/document/sdk/pac\\_standard\\_api\\_manual\\_1.1.0.pdf](http://ftp.icpdas.com/pub/cd/xpac-atom-ce6/document/sdk/pac_standard_api_manual_1.1.0.pdf)

- **PACSDK DLL Version 4.3.1.0** [ Jan. 3, 2014 ]
  - ◆ Added the pac\_GetModuleWDTStatusEX function, which is the same function as pac\_GetModuleWDTStatus, but with an output parameter added.
  - ◆ Fixed an issue with the pac\_GetModuleWDTStatus function that caused it to always return a value of "true".

# OS Version 1.3.6.0 [Jun. 10, 2013]

The latest version of the OS provides fixes for an issue related to program shutdown that was caused by using a SQL command, an issue that caused the registry to be restored to the factory default settings, and another issue that meant the user was unable to change the default input language.

## Bug Fixes

- In the previous version, there was an issue with SQL version compatibility where using SQL command caused the program to shut down. This issue has been resolved in the updated version of the OS.
- Fixed an issue that meant the user was unable to change the default input language.
- Fixed an issue that sometimes caused the system to detect the wrong rotary switch ID during the OS booting phase, which meant that the system registry settings were restored to the factory default values on boot up.

## Toolkit Changes

All previous SDK packages have been unified and a new SDK has been created, known as the PACSDK.

The PACSDK.dll applies to C programs for the XPAC series and replaces the previous SDK, XPACSDK\_CE.dll. The PACNET.dll applies to .Net CF programs (C#, VB) for both the XPAC and WinPAC series and replaces the previous SDKs, XPACNET.dll and WinPACNET.dll.

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- **PACSDK DLL Version 4.2.3.7** [ May 21, 2013 ]
  - ◆ Fixed an issue with the Pure\_ReadModuleSafePowerOnValueDO function that occurred when reading the power-on value from a 16-channel DO module.
- **PACNET DLL version 2.1.0.5** [ May 21, 2013 ]
  - ◆ Fixed an issue with the GetErrorMessage function that returned an error message.

# OS Version 1.3.5.0 [Aug. 10, 2012]

## Abstract

This version of the OS now includes support for PPPoE connections and fixes the issue related to the display of certain Simplified Chinese characters.

## New Features

- Add support for PPPoE connections. Connections to the Internet or LAN can now be made via the PPPoE dial-up function. For more details regarding PPPoE dial-up settings, refer to page 4.

## Bug Fixes

- In the previous version, there was an issue when displaying certain Simplified Chinese characters. This issue has now been fixed in the updated version of the OS.
- Canceled the "Allow connection with desktop computer when device is attached" pop-up item in the "PC-Connection" function to prevent the message window from interrupting with the user.
- The registry value "priority256" for COM1 and COM2 has been added.

## Toolkit Changes

- **XPAC SDK DLL Version 2.0.1.2** [ Aug.10, 2012 ]
  - ◆ Fixed the issue where calls to the uart\_Close function instructing the COM port to close caused a memory error.
- **XPAC Utility Version 1.1.0.3** [ Aug.10, 2012 ]
  - ◆ Fixed the issue related to the number of serial ports displayed on the Multi-IO page.
- **XPAC Web Utility Version 1.0.0.0** [ Aug.10, 2012 ]
  - ◆ The XPAC Web Utility is the web edition of the XPAC Utility for users to configure the XPAC remotely by using a standard web browser on PC. The operation of the XPAC Web Utility is now almost the same as the XPAC Utility. For more details, refer to page 8.

# OS Version 1.3.4.0 [May. 8, 2012]

## Abstract

This release changes the procedure for restoring the registry to the factory default settings, reduces the average daily deviation, fixes the InduSoft performance in earlier OS versions, and allows the user to rename multiple Serial ports and the USB disk.

## Change

- In the previous version, restoring the registry to the default factory settings was achieved by simply adjusting the module, which made it too easy to accidentally reset the module if the rotary switch was moved to the 1 position by mistake and the XP-8000-CE6 was powered on. To prevent this possibility, you are now required to manually confirm the restoration action. See Release note page 5 for a detailed description of the procedure for restoring the default registry settings.

## Improvements

- Reduced the average daily deviation of the system time from the RTC time to 1 second.

## New Features

- Ability to modify multiple serial port names. The user can modify MSA1, MSA2, MSA3, etc to COM6, COM7, COM8, etc.
- Ability to modify the USB disk name. The default USB disk name is "Hard disk". The USB disk name can be modified to any valid name.

## Bugs Fixed

- Fixed the issue where InduSoft performance was slower in previous OS versions.

# OS Version 1.3.3.0 [Aug. 4, 2011]

## Abstract

The main new features in this OS version include the addition of Sharing Folders for PC client read/write files, and VBScript UI functions for Message Box and Input Box. Several bugs have been fixed, including the bugs that caused unstable communication with COM1 and COM2, and the unmatched COM port numbers for i-8K Multi-Serial Module. Updated WinCE 6.0 patches for the XP-8000-CE6 kernel image are also included.

## New Features

- Sharing Folders in Windows.
- VBScript InputBox and MsgBox functions.

## Bugs Fixed

- Set a higher thread priority for the COM1 and COM2 drivers to fix a problem with unstable communication of COM1 and COM2 caused by a higher thread priority of some programs that occupy the running time of the COM1 or COM2 threads.
- Fixed an issue where the active COM port number opened by the driver of i-8K Multi-Serial Module (I-8112, I-8142 and I-8142i) was unmatched with the physical COM port number.

## Updates

- Updated Windows CE 6.0 with the Monthly Update patches for the XP-8000-CE6 kernel image up to June 2011.

## **OS Version 1.3.2.2 [May. 31, 2011]**

### **Abstract**

Add Korean language, backplane timer, telnet connect, etc.

### **New Features**

- Add Korean language
- Add backplane timer, support higher accuracy and smaller error
- Add telnet connect function, you can move, delete, copy file by telnet

### **Update**

- Update SQL CE's DLL(Dynamic Link Library) to last version from Microsoft (V3.5.8080.0)
- Improve the OS boot times.

## 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)

## **OS Version 1.3.1.0 [Apr. 28, 2010]**

### **New Features**

**None**

### **Bug Fixes:**

Fixes a bug that .NET CF 2.0 application cannot work with WINCE 6.0 R3 kernel.

**Improvements: None**

**Modifications: None**

## **OS Version 1.3.0.0 [Nov. 27, 2009]**

### **New Features**

- Supports Windows CE 6.0 R3
- Add Large and small software keyboard
- Add Bopomofo, Chang Jei and Pinyin input methods

**Bug Fixes: None**

**Improvements: None**

**Modifications: None**

## OS Version 1.0.1.0 [Jul. 10, 2009]

### New Features: None

### Bug Fixes

- Fixes the bug of irregularly sending pulse to modules which plug into slots during booting.

### Improvements

- Adds Rotary switch functions
  - Switch0: Normal Mode
  - Switch1: Safe Mode and restore registry to factory default
  - When the rotary switch is 1, the system will be safe mode (In safe mode, all registry will be restored to default setting)
  - Switch7: Normal and load Quicker Service
  - Switch8: Normal and load DCONUtility Service
  - Switch9: Normal and load Remote Desktop Service
- Adds "Restore registry to default factory setting. (Set rotary switch to 1 and reboot this device, then the registry will be restore to default setting)

### Modifications:

- Changes default ftp path to \temp and can't change to root.
- Changes platform's name of boot.ini to XPAC\_CE
- Change the loading order of Multi Serial IO Driver

# OS Version 1.0.0.0 [Jul. 03, 2009]

*FIRST RELEASE*