XP-8x4x WES2009 OS Update History

The XP-8000's OS is Windows Embedded Standard 2009. The revision offers some information about the OS's features, tools, and drivers.

Last update V1.3.3 2015/05/15

Features	Description
OS Language	Czech
	English
	French
	German
	Italian
	Japanese
	Korea
	Russian
	Spanish
	Simplified Chinese
	Traditional Chinese
.Net Framework	.Net Framework 2.0 SP2
	.Net Framework 3.0 SP2
	.Net Framework 3.5 SP1
Embedded Service	IIS 5.1 provides:
	Http server
	Ftp server
SQL Server	SQL Server 2005 Express
	SQL Server Management Express
Software	XP-8000-Toolkit V1.0.7.0 includes:
	● PAC Utility V1.0.1.0 2014/12/27
	● XPAC SDK V2.0.8.0 2013/03/06
	● PAC SDK V4.3.0.0 2015/01/19
	● Autoinit.exe V1.0.5.0 2013/03/05
	● Serial.sys V1.3.8.2 2011/08/24
	DCON Utility Pro V2.0.0.3

Software

- Update XP-8000-Toolkit to V1.0.7.0.
  - ➢ PAC Utility: Helps you to get system information and configure settings. All the Windows Embedded System PAC of ICP DAS can use the same toolkit.
  - ➢ PacSDK: Add more modules and functions support.
- Add DCON Utility Pro
  Help you to easily configure and test the ICP DAS I/O modules via the serial port (RS232/485) or Ethernet port (using virtual com port).

OS

- Add smart card reader driver.
- Support Routing and Remote Access Services.

Software

- Update XP-8000-Toolkit to V1.0.6.0.
    - ➢ XPAC Utility: Add a new function "Language Setting" for users to directly change the Windows UI language.
    - ➢ PacSDK: Fix the bug that some 8K modules can not be identified in older version.

OS

- Add a new special OS version: XP-8000-NoDesktop. The special OS does not include the desktop for users but has the same components and software as the standard version.
- Update the version of .NET Framework 2.0/3.0/3.5.

Software

- Update XP-8000-Toolkit to V1.0.4.0.
  - ➢ XPAC Utility: System Information adds PacSDK and CPU Board version to display. Users can use the "Commit" function to store the changed settings of C disk when EWF is enabled.
  - ➢ PacSDK: PacSDK is a Software Development kit that can work on the ICP DAS Windows series PAC and supplies a complete solution to communicate with hardware in programs.
- Update DCON Utility to V5.2.3.
- Update the Microsoft root certificates.

OS

- In order to avoid that the internet time server corrects users' time setting after rebooting, or automatically adjusts clock for daylight saving changes. The time synchronization with an internet time server is disabled and the default time zone is pointed to Taipei. You can open "Date and Time" in Control Panel to change the time, date, time zone as local time, and enable time synchronization with an internet time server.

Software

- Update XP-8000-Toolkit to V1.0.4, and it includes updated XPAC Utility V1.0.5 and XPAC SDK V2.0.7.
- Update XPAC SDK to V2.0.7, it can recognize I-8014W, I-8093W modules correctly.
- Update XPAC Utility to V1.0.5, with XP-8000's OS V1.3.0 and above it can check whether the OS is correct or not. If you install XP-8000-Atom's OS into XP-8000, the XAPC Utility will point out that you installed the wrong OS.

OS

- New Support OS feature "Safely remove hardware" .

Software

- New Support GSM/GPRS modules I-8212, I8213.
- Opening and closing COM port will increase the handle. After the handle number up to twenty million, the OS will crash. Update serial.sys to V1.3.8.2 [2011/08/24] to fix the issue.
- Update XPAC SDK to V2.0.5, it supports the timer interrupt of the backplane.
- If you setup the multi-serial port module, and you remove it. The OS will popup a window which shows "System Settings Change……..Do you want to restart your computer now?" every time. You can remove the multi-serial port module in XPAC Utility to solve it.
- Disable SQL Server. You can start it in SQL Server Configuration Manager.

- New Support "Communications cable between two computers"
- The All-in-one OS image supports multi-language : Czech, English, French, German, Italian, Japanese, Korea (new support), Spanish, Simplified Chinese, Traditional Chinese.
- Change the FTP root to T:\ftproot. The older setting is C:\inetpub\ftproot.
- New support software "XPAC Utility". You can get system information, set auto execution programs, set EWF protection, and register multi-serial port modules with it.
- New support software "AutoRunManager" in start up. The program initializes the backplane(include COM3, COM4, COM5), and checks the Ethernet. Then it will execute the programs which are set in XPAC Utility.
- Disable EWF operation by rotary switch. You can set EWF status by XPAC Utility.