


VP-23Wx_ce50 OS Update History

Release Date: 09/18/2014

Key Features:

Features	Supported	Description
OS Language	Yes	VP-23Wx-EN: Multi-language including : <ul style="list-style-type: none"> - English - German - Russian - French - Spanish - Italian - Korean VP-23Wx-SC: Simplified Chinese VP-23Wx-TC: Traditional Chinese
.NET Compact Framework 2.0 .NET Compact Framework 3.5	Yes	V2.0.7045 for Visual Studio .Net 2005/2008 V3.5.7283.0 for Visual Studio .Net 2008
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)	Support for HP Laser Jet printers with USB and Ethernet interfaces
Display Resolution	Yes	320 * 240
Multiport Serial Communication Module  The maximum number of ports that can be used is 12. (i.e., 3 slots * 4 ports per module = max. of 12 ports)	Yes	Supported modules: 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) I-8212W, I-8213W (GPS) (Industrial Tri-band 2G module) I-8212W-3GWA, I-8213W-3GWA (GPS) (Industrial Tri-band 3G module)

Software and Hardware Compatibility

Software		Hardware			
OS	Eboot	PCB V1.5	PCB V1.7	PCB V2.0	PCB V2.5
V.2.4.3.0 [09/18/2014]	V.1.2.1.0	Yes	Yes	Yes	Yes
V.2.4.1.0 [04/12/2013]	V.1.2.0.0	Yes	Yes	Yes	Yes
V.2.2.0.0 [07/18/2012]	V.1.2.0.0	Yes	Yes	Yes	Yes
V.2.0.0.3 [01/21/2011]	V.1.1.0.3	Yes	Yes	(* Note1)	-
V.1.1.0.2 [07/15/2010]	V.1.0.1.3	Yes	-	-	-
V.1.0.0.7 [06/20/2009]	V.1.0.0.4	Yes	-	-	-

Note 1:

OS 2.0.0.3 works well on hardware v2.0 except support for the audio.

Note 2:

The hardware version number can be found on the PCB

Determining the hardware version

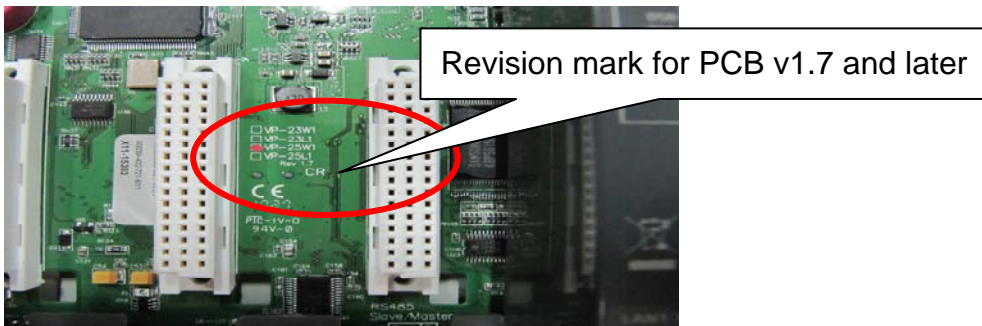
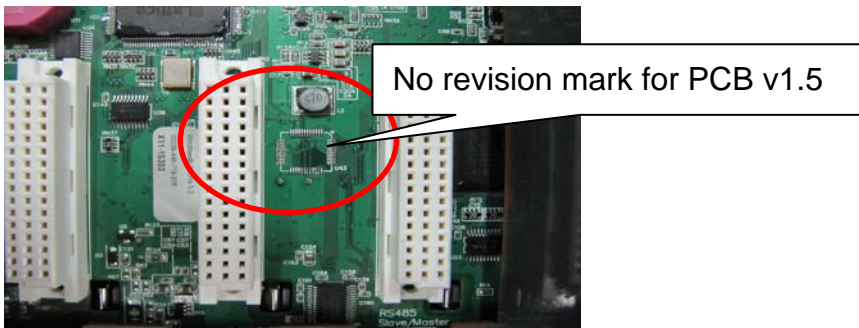


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VP-23Wx OS V.2.4.3.0 Release Notes

Abstract

This release adds new supports for non-Windows XP-style GWES that allows the user to change the button color, DHCP allocator to assign the DHCP IP address in LAN, and PPTP/L2TP protocols to connect to a VPN as a dial-up client. It also fixes issues of where the micro SD card was sometimes not mounted after booting. Fixed a bug that the CPU usage would rise to 100% after a user inserted a USB disk and then removed it over eight times. The new function “Schmitt trigger” has been added to improve the Ethernet connection stability after boot-up. The Eboot version needs be 1.2.1.0 or later to enable “Schmitt trigger” for the Ethernet connection stability, too.

New Features

- Users now can change the GWES to non-Windows XP style skin and then change the button color.
- Adds support for DHCP allocator to assign the DHCP IP address in LAN.
- Adds support for PPTP/L2TP dial-up access, which can be used to connect to a VPN.

Improvements and Bug Fixes

- Modified the driver for the micro SD card to solve a problem where the micro SD card was sometimes was not mounted after booting.
- Fixed an issue in the USB driver that the CPU usage rises to 100% when the user inserted and then removed a USB Disk over 8 times.
- Enabled the “Schmitt trigger” to improve the Ethernet driver and prevent problems of Ethernet connections after boot-up.

Eboot Version 1.2.1.0 [07/09/2013]

- Enabled the “Schmitt trigger” to improve the Ethernet driver and prevent a problem where the user could not use Eshell to update the OS image file.

Software and Hardware Compatibility

Software		Hardware			
OS	Eboot	PCB V1.5	PCB V1.7	PCB V2.0	PCB V2.5
V.2.4.3.0	V.1.2.1.0	Yes	Yes	Yes	Yes

ViewPAC Utility and WinPAC SDK

- PACSDK DLL Version 4.2.3.8 (02/21/2013)
- ViewPAC Utility Version 2.1.0.6 (11/30/2013)

VP-23Wx OS V.2.4.1.0 Release Notes

A bug in the COM0 driver for I/O slots has been fixed to prevent the OS from hanging while communicating with the I-87K module. Added support for the hardware v2.30 and the I-8144iW hardware v2.20. improves the system_disk driver to extend the useful life of the system_disk and resolve the problems that the files may not be written to system_disk, or maybe disappeared if the system rebooted when the system_disk was defragmenting in the background. In addition, improvements have also been made to increase the system_disk read/write speed and extend the life of the system_disk. An error with the system may crash caused by four COM ports were communicating simultaneously has been fixed. The problem where MMTIMER sometimes wouldn't work has also been solved. And supporting for PPPoE protocol has been added, it can be used to connect to an ADSL network.

New Feature

- Added support for the hardware V2.30 、 V2.30 and the I-8144iW hardware V2.20.
- Added supporting for "PPPoE" dial-up, which can be used on an ADSL connection.

Bug Fixed

- A bug in the COM0 driver for I/O slots has been fixed to prevent the OS from hanging while communicating with the I-87K module.
- Resolved the following issues caused by the system was rebooted when the system_disk was defragmenting in the background:
 - The files may disappeared in the folder of the system_disk
 - The files couldn't be written or copied to the system_disk
 - The VP-23W1 may not boot
- Increased the system_disk read/write speed and extended the life of the system_disk.
- Fixed an error with the driver for RS-232, RS-422, RS-485 expansion (i-8114w, i-8144w, i-8112w, i-8142w...) that sometimes the system crash caused by all COM ports were communicating at the same time.
- Fixed the problem where MMTIMER sometimes wouldn't work.

Eboot Version

- No updates (V.1.2.0.0, 03/28/2012)

Software and Hardware Compatibility

Software		Hardware			
OS	Eboot	PCB V1.5	PCB V1.7	PCB V2.0	PCB V2.20
V.2.4.1.0	V.1.2.0.0	Yes	Yes	Yes	Yes

ViewPAC Utility and WinPAC SDK

- PACSDK DLL Version 4.2.3.5 (02/21/2013)
- ViewPAC Utility Version 2.1.0.5 (04/11/2013)

VP-23Wx OS V.2.2.0.0 and Eboot V.1.2.0.0 Release Notes

This release adds support for SMB File Server to share data through Ethernet, Korean User Interface and Input Method Editor, and NET Compact Framework 3.5; adds a function for hiding desktop icons and StudioSNMP-related files. It fixes an issue with FTP transfer on 2G and 3G modules (such as I-8212W, I-8212W-3GWA and I-8213W) may become disconnected, and fixes a bug of OS halted when saving the registry during the system_disk defragment procedure running.

New Features

- Added support for SMB File Server for sharing data through Ethernet. (Page 6)
- Added support for the Korean User Interface and Input Method Editor.
- Added support for .NET Compact Framework 3.5.
- Added support for Indusoft StudioSNMP-related files.
- Added a function that allows desktop icons to be hidden.
- Added support for the MXIC MX28GL256F Flash chip.
- Added support for the PXA270M CPU.

Improvements and Bug Fixes

- Fixed an error that occurred when saving the registry during the System_disk defragment procedure, the OS would be halted.
- Resolved an issue that caused a start up program set in the Auto Execution tab of the ViewPAC Utility to fail after rebooting, which occurred because the relevant driver for the program was loaded later than the program.
- Resolved the error that caused the connection to be lost when using 3G mode (e.g., I-8212W, I-8212W-3GWA, and I-8213W) to transmit the FTP data.
- Updated the driver for the DM9000 to show connection speeds up to 100MB/second.

Eboot Version 1.2.0.0 [03/28/2012]

- Added support for the MXIC MX28GL256F Flash chip.

Software and Hardware Compatibility

Software		Hardware			
OS	Eboot	PCB V1.5	PCB V1.7	PCB V2.0	PCB V2.2
V.2.2.0.0 [07/18/2012]	V.1.2.0.0	Yes	Yes	Yes	Yes

OS Version 1.1.0.2 [July, 15, 2010]

Abstract

This update provides multi-language OS, keyboard; improves USB host capability, LAN1 stability; and supports one I-8135W to have one extra Ethernet port.

Besides, this update also adds three convenient functions: (1) the prefix name of multi-serial modules (I-811xW or I-814xW) can be "COMx" or "MSAx/MSBx". (2) The front side Function Key F1~F6 can be defined as the hotkey for specific application programs. (3) Support "Simple Network Time Protocol (SNTP)" to synchronize ViewPAC time with the network time server.

New Features

- Multi-language user interface for OS with multi-language keyboard layout
 - Multi-language
 - English (V1111 and later)
 - German (V1111 and later)
 - Russian (V1111 and later)
 - French (V1111 and later)
 - Spanish (V1111 and later)
 - Italian (V1111 and later)
 - Simplified Chinese
 - Add Pocket IME (简中输入法)
 - Traditional Chinese
 - Add Input Method Editor-Pocket IME (繁中输入法)
 - Add Phonetic Input (Bopomofo) (注音输入法)
- Provide SNMP protocol
- Provide Power management to turn on/off the display
- Provide backlight adjustment by F6 key
 - ViewPAC Utility: supported by V2.0.1.4 and later.
- Provide activeSync program to synchronize the ViewPAC and a desktop PC through the COM3(RS-232).
- Provide 5 accounts and passwords for FTP/Telnet authentication
ViewPAC utility: supported by V2.0.1.3 and later.
- Add 2 operation modes determined by the Rotary switch
 - Position 6 -> Run VCEP.exe automatically after booting to proceed the remote desktop management.
 - Position 5 -> Run DCON_CE.exe automatically after booting to proceed I-87K

module configuration.

- Support one I-8135W module to have an extra Ethernet port
ViewPAC Utility: supported by V2.0.1.3 and later.
- The prefix name of multi-serial modules (I-811xW or I-814xW) can be “COMx” or “MSAx/MSBx”.
 - ViewPAC utility: supported by V2.0.1.5 or later
 - The prefix name only be “MSAx/MSBx” in the previous OS versions
- Execute specific application programs respectively by Function key F1~F6
 - ViewPAC Utility: supported by V2.0.1.5 or later.
- Show the CPU frequency to system properties "Processor".
- Support “Simple Network Time Protocol (SNTP)”.
 - Synchronize ViewPAC time with Internet time server.
 - ViewPAC Utility: supported by V2.0.1.6 or later

Bug Fixes

- The ViewPAC Utility shows wrong month information of the OS image.
- Fix a bug that the DeactivateDevice and ActivateDevice APIs can not work to loaded and unload OHCI driver by applications.
- Application program hangs after system booting if it uses any multi-serial modules (I-811xW or I-814xW). The bug is due to wrong boot sequence. The multi-serial driver should be loaded before executing auto-run programs set by WinPAC/ViewPAC utility. If an AP launches the multi-serial driver but the driver does not be loaded yet, it hangs. This update puts multi-serial driver to higher boot sequence.
- Sometimes application programs don't be executed automatically after system booting. The bug is due to wrong boot sequence. The disk drivers (System_Disk and Micro_SD) should be loaded before executing auto-run programs set by the WinPAC/ViewPAC utility. If the disk drivers are not ready, OS will be not able to find the application programs and execute them. This update puts disk drivers to higher boot sequence.

Improvements

- Improve the USB compatibility and compatibility.
Some USB hubs cannot be detected by ViewPAC in the booting phase. A re-plugging is needed to correct it.
- Improve the LAN1 stability
LAN1 sometimes cannot be activated in the booting phase. A re-plugging is

needed to correct it.

- Add VBScript 5.6 components: MsgBox and InputBox
- Improve microSD/microSDHC driver read/write performance
- Show a "format the disk" dialog box and blink the running LED, while formatting the System_Disk.
- Show a "defragment" icon on the system tray and blink the running LED, while defragmenting the System_Disk.

Modifications

- Modify the priority of microSD
 - Controller IST priority 0x64 change to 0x78
 - Card Detect IST priority 0x65 change to 0x79
- Modify the priority of touch panel from 0x6D to 0x6E
- Set the Hardware Watchdog to monitor the system status.
- Change kypad.dll to kbdmouse.dll.
- Move dll files related to SQL CE3.5 from the Windows location to System_Disk
- Set Internet Explorer default mode to UTF-8
- Change IRQ number of Backplane 0x03 to 0x0A
- Remove "Microsoft Windows CE v5.00 (.....)" message from the desktop.

Eboot Version 1.0.1.3 [May, 25, 2010]

Bug Fixes:

- In debug mode, the MAC address shown on touch panel is wrong.
- The month information of the Eboot that shown on the touch panel while booting is wrong.
- Fix a bug of EEP_SaveEbootVersion(Show MAC address correctly)
- Show a special number, FF-FF-FF-FF-FF-FF-FF, to indicate the failure of the 64-bit hardware serial number. Before the update, the number is empty. The number can be obtained from the System Information of the ViewPAC utility.

Improvements

- Add a function to change display type in the debug mode

OS Version 1.0.0.7 [June,20, 2009]

First Release.

Eboot Version 1.0.0.4 [June, 20, 2009]

First Release