WP–8x3x OS Update History

Release Date: 09/12/2013

Key Features:

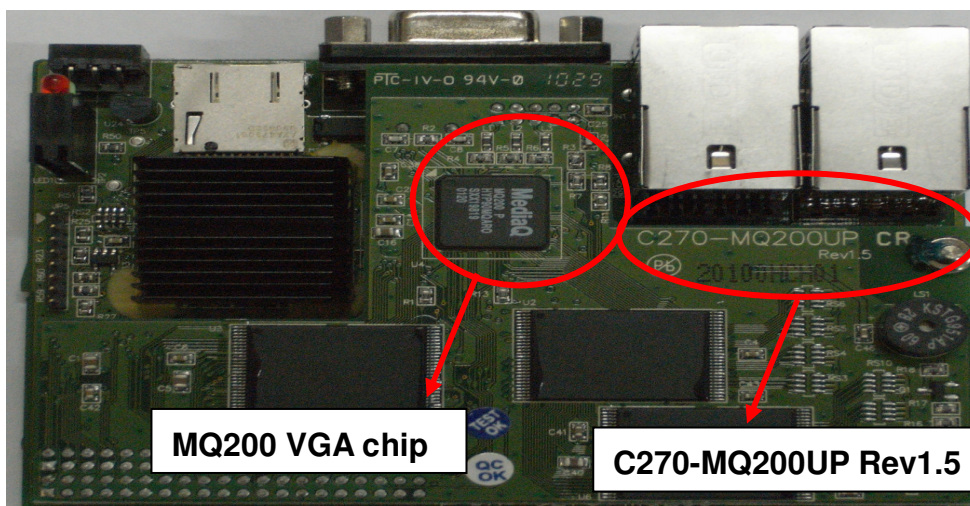| Features	Supported	Description
OS Language	Yes	**WP-8x3x-EN**: Multi-language, including: - English - German - Russian - French - Spanish - Italian - Korean **WP-8x3x -SC**: Simplified Chinese **WP-8x3x -TC**: Traditional Chinese
.NET Compact Framework 2.0 .NET Compact Framework 3.5	Yes	V2.0.7045 for 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	1024 * 768, 800 * 600, 640 * 480
Touch Panel	Yes	Support for touch panels using the RS-232 and USB interface
Multiport Serial Communication Module	Yes	Support 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) The maximum number of ports can be extended is 16 (i.e., 4 slots * 4 ports per module = max. of 16 ports)

Software and Hardware Compatibility

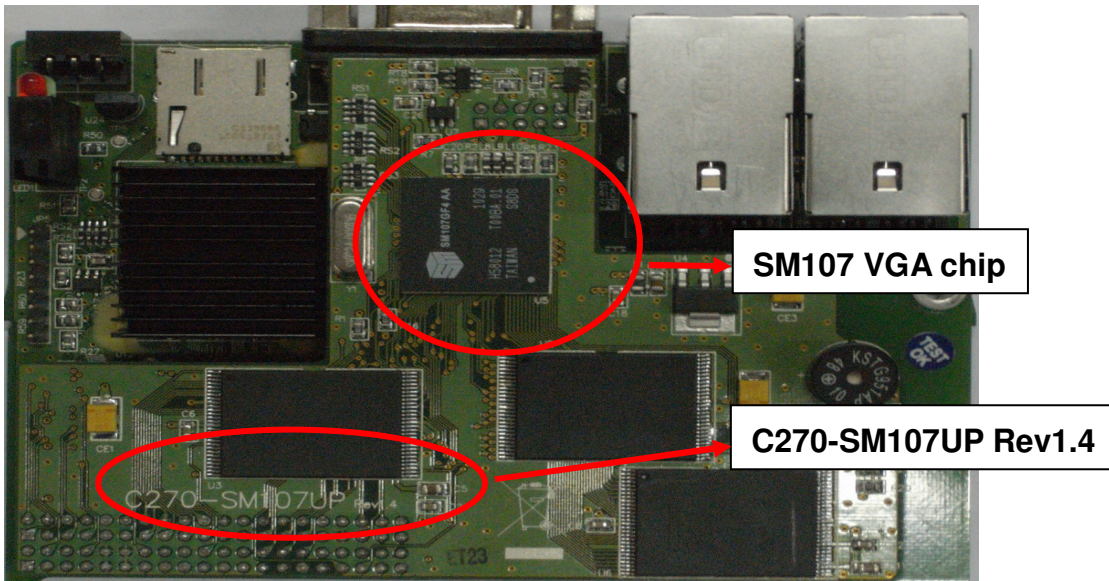| Software		Hardware		
OS	Eboot	C270-MQ200UP V1.5	C270-SM107UP V1.4	C270-SM107UP V1.5
V1.6.1.0 [09/12/2013]	V1.3.0.0	Yes	Yes	Yes
V1.6.0.0 [01/22/2013]	V1.3.0.0	Yes	Yes	Yes
V1.3.0.1 [04/05/2012]	V1.3.0.0	Yes	Yes	Yes
V1.3.0.0 [11/30/2011]	V1.3.0.0	Yes	Yes	Yes
V1.2.0.3 [03/22/2011]	V1.2.1.0	Yes	Yes	-
V1.2.0.1 [04/15/2010]	V1.2.0.5	Yes		-

Notes:

1. **If you install the wrong OS Version, you will be unable to use the system_disk or the VGA.**
2. The hardware for C270-MQ200UP V1.5 or earlier is equipped with the *MQ200 VGA Chip and the Intel J3 105n flash chip.*
3. The hardware for C270-SM107UP V1.4 is equipped with the *SM107 VGA chip and the Intel J3 105n flash chip.*
4. The hardware for C270-SM107UP V1.5 and later is equipped with the *SM107 VGA chip and the MXIC MX28GL256F flash chip.*

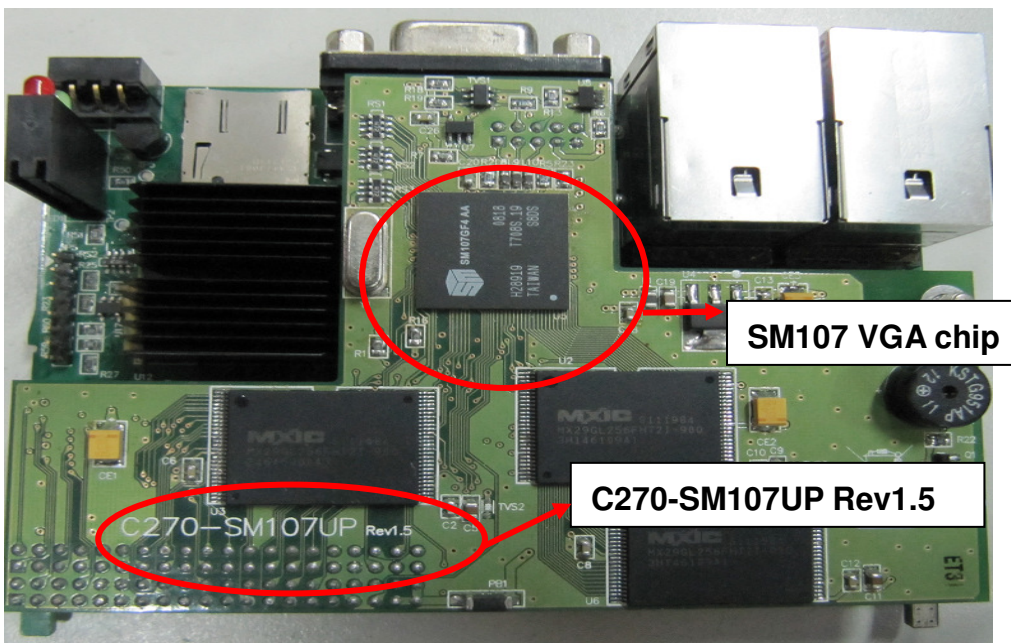## How to identify the hardware version number

For C270-MQ200UP Rev1.5

MQ200 VGA chip

C270-MQ200UP Rev1.5

For C270-SM107UP Rev1.4

SM107 VGA chip

C270-SM107UP Rev1.4

For C270-SM107UP Rev1.5

SM107 VGA chip

C270-SM107UP Rev1.5

Table of Contents

WP–8x3x OS 1.6.1.0 - Release Notes [09/12/2013]

Abstract

This release fixes an issue where the CPU usage may rise to 100% after a user inserted and then removed a USB disk more than eight times; amends a problem that the micro SD card sometimes was not mounted after booting. It also solves a problem of that using multiple Modbus connections in ISaGRAF sometimes caused the LAN1 Ethernet connection to malfunction.

Improvements and Bug Fixes

- Fixed an issue in the USB driver that caused the CPU usage to rise to 100% when a user inserted and then removed a USB Disk more than 8 times.
- Modified the driver for the micro SD card to solve a problem where the micro SD card sometimes was not mounted after booting.
- Update the Ethernet LAN1 driver to prevent a problem of LAN1 Ethernet connection malfunction caused by using multiple Modbus connections in ISaGRAF.
- Solved an issue of the icon for Ethernet connection status in the taskbar may display incorrect status when the WP-5000 controller rebooted with LAN1 or LAN2 Ethernet connection was disabled.

Eboot Version
- No update   (V1.3.0.0, 12/02/2011)

Software and Hardware Compatibility

Software		Hardware		
OS	**Eboot**	**C270-MQ200UP V1.5**	**C270-SM107UP V1.4**	**C270-SM107UP V1.5**
V1.6.1.0 [09/12/2013]	V1.3.0.0	Yes	Yes	Yes

WinPAC Utility and WinPAC SDK

- PACSDK DLL   V.4.2.3.7   (Released on: 05/30/2013)
- WinPAC Utility   V.2.1.0.4   (Released on: 12/21/2012)

WP–8x3x OS 1.6.0.0 - Release Notes

This release **adds supporting for PPPoE protocol** which can be used to connect to an ADSL network; increases the system_disk read/write speed, extends the useful life of the system_disk and resolves a problem that the system_disk couldn't be written in a particular situation. An error with the system may crash caused by 4 COM ports communicating simultaneously has been fixed. And the problem that the MMTIMER sometimes wouldn't work has also been solved.

New Features

- Added supporting for "PPPoE" dial-up, which can be used on an ADSL connection.
- Updated driver to support the I-8144iW hardware v2.20.

Improvements and Bug Fixes

- Resolved the problem that the system_disk would not be writable if the system was rebooted when the system_disk is defragmenting in the background.
- Increased the system_disk read/write speed and extended the useful life of the system_disk.
- Fixed an error with the multi-serial driver that the system sometimes crashed when four COM ports were communicating at the same time.
- Fixed the problem where MMTIMER sometimes wouldn't work.

Eboot Version
- No update   (V1.3.0.0, 12/02/2011)

Software and Hardware Compatibility

Software		Hardware		
OS	**Eboot**	**C270-MQ200UP V1.5**	**C270-SM107UP V1.4**	**C270-SM107UP V1.5**
V1.6.0.0 [01/22/2013]	V1.3.0.0	相容	相容	相容

ViewPAC Utility and WinPAC SDK
- WinPAC SDK DLL Version: 4.2.2.5 (11/21/2012)
- ViewPAC Utility Version: 2.1.0.3 (11/21/2012)

WP–8x3x OS 1.3.0.1 Release Notes

This release adds support for SNMP in IndoSoft and a function for hiding desktop icons; fixes a bug of OS halted when saving the registry during the system_disk defragment procedure. It also fixes an issue where FTP transfer on 2G and 3G modules (such as I-8212W, I-8212W-3GWA and I-8213W) may become disconnected, and fixes an issue with LAN1/ LAN2 intermittently fails after rebooting.

New Features

- Added support for InduSoft StudioSNMP-related files.
- Added a function that allows desktop icons to be hidden.

Bugs Fixed and Improvements

- 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.
- Fixed an error that occurred when saving the registry during the System_disk defragment procedure, which meant that the OS would be halted.
- Rectified the problem that caused LAN1/2 to intermittently fail after rebooting.
- Updated the driver for the DM9000/DM9000A to show connection speeds up to 100MB/second.
- The error that caused the '\' character to be displayed as the '₩' character in CMD.exe has been rectified. (This error only existed in the OS V1.3.0.0)

Eboot Version 1.3.0.0 [12/12/2011]

- No updates

Software and Hardware Compatibility

Software		Hardware		
OS	**Eboot**	**C270-MQ200UP V1.5**	**C270-SM107UP V1.4**	**C270-SM107UP V1.5**
V1.3.0.1 [04/05/2012]	V1.3.0.0	Yes	Yes	Yes

OS Version 1.3.0.0 [11/30/2011]

Abstract

In this version, we update the .NET Compact Framework from V2.0 to V3.5, support the Korean User Interface and Input Method Editor, and support the PCB version C270-SM107UP Rev1.5. We also fix the bug that caused the LAN1 enable to fail when the two backplane batteries are low after a reboot, and resolve an issue that caused a startup program to fail to start.

New Features

- Adds support for .NET Compact Framework 3.5.
- Adds support for File server based on SMB protocol..
- Adds support for the C270-SM107UP V1.5.
- Adds support for the PXA207M CPU.
- Adds support for Korean User Interface and Input Method Editor.
- Adds support for using COM Port 3 as a console port in safe mode.

Bugs Fixed

- Fixes the bug that caused the LAN1 enable to fail when both the backplane batteries are low after a reboot. (The Bug only in the OS V1203)
- Fixes the bug that caused the SDRAM memory usage unusual. (The Bug only in the OS V1203)

Improvements

- Resolves an issue that caused the startup program set in WinPAC utility to fail to start, which occurred because of the startup program running before the necessary driver loaded. (E.g., the startup program fails to open a COM Port when the WinPAC is boot up, but executes after a while.)

Eboot Version 1.3.0.0 [12/12/2011]
- Adds support for the PCB version C270-SM107UP V1.5.

Software and Hardware Compatibility

Software		Hardware		
OS	Eboot	C270-MQ200 UP V1.5	C270-SM107UP V1.4 (Not yet in mass production)	C270-SM107UP V1.5 (Not yet in mass production)
V1.3.0.0 [11,30,2011]	V1.3.0.0	Yes	Yes	Yes

OS Version 1.2.0.3 [03/22/2011]

Abstract

This update supports SM107GF4 VGA chip and fix the bug that causes the System time to reverse or move ahead one second after a reboot.

New Features

- Support SM107GF4 VGA chip. As the MQ200 VGA chip has been phased out, the chip in the WP-8x3x has been replaced with a SM107GF4 VGA chip. Thus the OS and Eboot software for the WP-8x3x must be updated to version 1.2.0.3 (or later of the OS) and 1.2.1.0 (or later of the Eboot) to support both versions of the Flash chip. Also please note, older versions of the OS and Eboot software will not work on WP-8x3x modules that are equipped with the new SM107GF4 VGA chips, so earlier version of the OS and Eboot software should not be installed as the module will not boot.
- Add support for a 64Bit OEMQueryPerformanceCounter.

Bug Fixes

- Fixed the bug that caused the System time to reverse or move ahead one second after a reboot.

Eboot Version 1.2.1.0 [04/01/2011]

New Features

Support the SM107GF4 VGA chip.

OS Version 1.2.0.1 [04/15/2010]

Abstract

This update improves the stability of USB port; provides an option to retain current registry after updating OS image by executing the .exe file; The prefix name of multi-serial modules (I-811xW or I-814xW) can be "COM" or "MSA/MSB/MSx".

New Features

- The prefix name of multi-serial modules (I-811xW or I-814xW) can be "COM" or "MSA/MSB/MSx".
    - WinPAC utility: supported by V2.0.1.5 or later
    - The prefix name is only "MSA/MSB" in the previous OS versions.
- Add backplane timerout/timer1/timer2 functions
    - WinPACSDK.dll Ver. 1.0.9.4 or later
- The Network ID (User name/Password/Domain) can be allowed to access to network resources and the settings will not be lost after rebooting.
- Shows the CPU frequency to "Processor" field in the system properties.
- Add "Device Management ISAPI Extension" and "Web Server Administration ISAPI"
- Add "SNTP Automatic Updates and Server Synchronization" and "SNTP Client with DS"

Bug Fixed

- The serial touch panel driver on COM1 of WP-8x3x can not co-work with the multi-serial driver.
- Application program hangs after booting if it uses any multi-serial module (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 is not loaded yet, it hangs. This update puts multi-serial driver to higher boot sequence.
- Sometimes application programs don't been executed automatically after 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 not able to find the application programs and execute them. This update puts disk drivers to higher boot sequence.

Improvements

- 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.
- Improve the compatibility of USB host port

Modifications (Changes)

- Set power management to disabled as factory default.
  - The power management can be used to automatically turn on/off the display.
- Remove "Microsoft Windows CE v5.00 (.......)" message from the desktop.

Eboot Version 1.2.0.5 [05/17/2010]

New Features

- Show the progress bar and message on booting for WP-8x3x.

OS Version 1.1.3.0 [12/04/2008]

FIRST RELEASE

Eboot Version 1.0.5.4