

Product: 11M WLAN PC Card Install Disk (WinCE)
Version: 2.20
Intended Distribution: OEM Customer
Date Submitted: June 15, 2001

Description:

The installation disk contains the driver and config tool of WL11000 PCMCIA adapter for WinCE StrongARM SA-1100/SA-1110 platform. An InstallShield installation Wizard is included that allows the end user to install the driver and config utility on the system automatically.

Purpose:

This release extends the functionality and bug fixed.

- Load the resource of config utility from a separated DLL file.
- Add a shortcut of config utility in startup when it is installed by InstallShield wizard (*.cab).
- **Fix the bug that “close” button of config utility does not work sometimes, that will cause the Configuration and WEP page will not be shown in that time.**
- **Fix the bug that config utility will display a message as “Initial Test Fail” sometimes.**

Hardware Supported:

PRISMII 11M wireless LAN PC card burned with OEM CIS in the PC card.

HFA3841 MAC Firmware Supported:

The driver and configuration utility program contained in this release have been tested with the secondary firmware of HFA3841 MAC in version 0.7c6 and 0.8c3.

HPC Supported:

The H/PC target, embedded with StrongARM SA-1100/SA-1110 processor, runs under WinCE 2.11, 2.12 and 3.0 OS.

Files Released:

CW10.dll	- Ndis driver (WinCE)	**	June 14, 2001 06:18 PM
CW10CE.exe	- Config tool (WinCE)	**	June 14, 2001 06:10 PM
CW10RES.dll	- Config resource file (WinCE)	*	June 14, 2001 06:09 PM
WlanArm.cab	- Installation Wizard (WinCE)	**	June 15, 2001 05:14 PM

Note: This version of “CW10CE.exe” has included the MFC library statically.

** - Denotes a file updated.

* - Denotes a file as first release.

Installation Instructions:

If user has installed the driver of WLAN PC card previously, please uninstall it in advance. To uninstall the driver, please go to the control panel and click the icon "Remove Programs". When a dialog is popped up, select the program "PRISM 802.11 PC CARD" to uninstall the old component.

After successfully uninstall the driver, please press the "Reset" button to reboot the system again before processing the following installation.

1. Using WinCE Service to download installation file (WlanArm.cab) to the targeted HPC in a temporary directory. Or, copy the installation file to a storage device (Flash card) and then insert the Flash card to the HPC and copy the installation file to a temporary directory of target HPC.
2. Run the WlanArm.cab file from the temporary directory to start the installation Wizard.
3. Follow the instruction and select 'OK'; the driver and configuration utility will be installed automatically.
4. Plug in the 11M wireless LAN PC card, then that the WinCE could automatically recognize the card and link with the driver, preinstalled by installation Wizard.
5. After that, the TCP/IP dialog box will be popped up to let you set your IP address. Type the proper values for the TCP/IP configuration and then click 'OK'.
6. Run config utility by clicking the shortcut "Prism WLAN Utility" from folder "Start\Programs\Communication". After configuration is modified, please click "Apply Changes" button to save the changes immediately. Please note, when the utility program is closed, it will hide to system tray. If you want to run the utility again, please click the icon on the system tray.

Installation Manually:

1. Copy the driver file (Cw10.dll), utility program (cw10ce.exe) and its resource file (cw10res.dll) to directory "Windows".
2. Plug in the 11M wireless LAN PC card, then that the WinCE could display a message to ask for driver to install. In that time, type the driver name as "cw10" to install the WLAN driver manually.
3. After that, the TCP/IP dialog box will be popped up to let you set your IP address. Type the proper values for the TCP/IP configuration and then click 'OK'.
4. To run config utility, go to \windows directory and start the utility program "cw10ce.exe" to run.

Limitations:

1. The driver and config tool contained in this release could only support the HPC with StrongARM SA-1100/SA-1110 CPU on WinCE operating system.
2. The driver will utilize a fixed IO port range in 0x300-0x33f and IRQ number in 3 for the PC card of wireless LAN. The HPC must reserve these hardware

- resources for the usage of the wireless LAN adapter.
3. To modify the roaming sensitivity, the secondary firmware used in PC card must be in version 7c5 or later than this version. If the firmware used is older than 7c5, the driver will not modify the roaming sensitivity, and it will behave as it does previously.

Release History:

**** 2.20 - June 15, 2001 ****

CONFIGURATION UTILITY:

1. Load the resource (i.e., dialog, message text and icon) of utility from a separated DLL file (cw10res.dll).
2. Fix the bug that the WEP and Configuration page will not be displayed any more once user clicks "close" or "OK" button in link page when it is started and no other page (tab) is selected.

INSTALLATION:

1. Add a shortcut in startup when installing the package through the *.cab file. Please note, if you want to remove the installed component, you must delete the startup shortcut first, and then "reset" the system. Otherwise, the utility components will be loaded automatically and it will cause error when you remove the program from control panel. To delete the shortcut, you have to go to folder "\Windows\startup", and then delete the shortcut "Prism WLAN Utility".

NDIS4 DRIVER:

1. Fix the bug that driver will test the interrupt of PC card whenever it is reset by utility, and when it failed in the test, it will cause utility to display message "Initial Test Fail" in link information. Now, the modified driver will do the interrupt test one time when it is initialized.

**** 2.12 -March 6, 2001 ****

CONFIGURATION UTILITY – Fix the bug of buffer operation for SSID. This bug may cause the exception error and the utility program be terminated by system immediately.

NDIS4 DRIVER – Add the interface that allow the driver be installed manually.

**** 2.11 -December 4, 2000 ****

CONFIGURATION UTILITY - Add the Static DLL components.

**** 2.1 -December 1, 2000 ****

NDIS4 DRIVER:

1. Add the WEP encryption/decryption.
2. Disable the roaming decision by firmware, instead of doing it in the driver. Now, the driver will begin to roam until it doesn't receive the AP's signal for 5 seconds.

CONFIGURATION UTILITY - Add the function of WEP encryption/decryption, including 64-bit and 128-bit.

**** 2.0** -October 23, 2000 ******

NDIS4 DRIVER - Fix some problems about the buffer alignment and NDIS registration. With this fix, beside WinCE 2.11 and 2.12, this driver could also be used under WinCE 3.0 environment.

NDIS4 DRIVER - Add an interface module to communicate with utility program, that the driver could report some online status to utility periodically. Besides, when some configuration parameters are modified by utility program, the driver could be notified and it will make these changes to MAC firmware immediately.

CONFIGURATION UTILITY - Except the WEP configuration, the utility program will behave almost the same like it does in Windows 9x/NT/2000.

**** 1.0** -July 27, 2000 ******

First release.