How to reinstall the boot loader using a download cable

Applies to:

Platform	OS version	WinPAC/ViewPAC utility version
WP-8x3x	*All versions*	*All versions*
WP-8x4x	*All versions*	*All versions*
VP-25W1	*All versions*	*All versions*
VP-23W1	*All versions*	*All versions*
VP-4131	*All versions*	*All versions*

If the WinPAC/ViewPAC unable to be booted and the OS cannot be updated using the EShell, the boot loader may be damaged or lost. In this case you have to use the download cable to re-install the boot loader. When the boot loader is correcting installed, the EShell will be able to communicate with the boot loader to update the OS through the Ethernet.

To update the boot loader using a download cable, perform the following steps:

Step 1: Download the “Update_Eboot_Tool” folder from CD: \napdos\wp-8x4x_ce50\pc_tools\ or ftp://ftp.icpdas.com.tw/pub/cd/winpac/napdos/wp-8x4x_ce50/pc_tools/ and install the latest version of the boot loader to the “Update_Eboot_Tool” folder.

Tips & Warnings

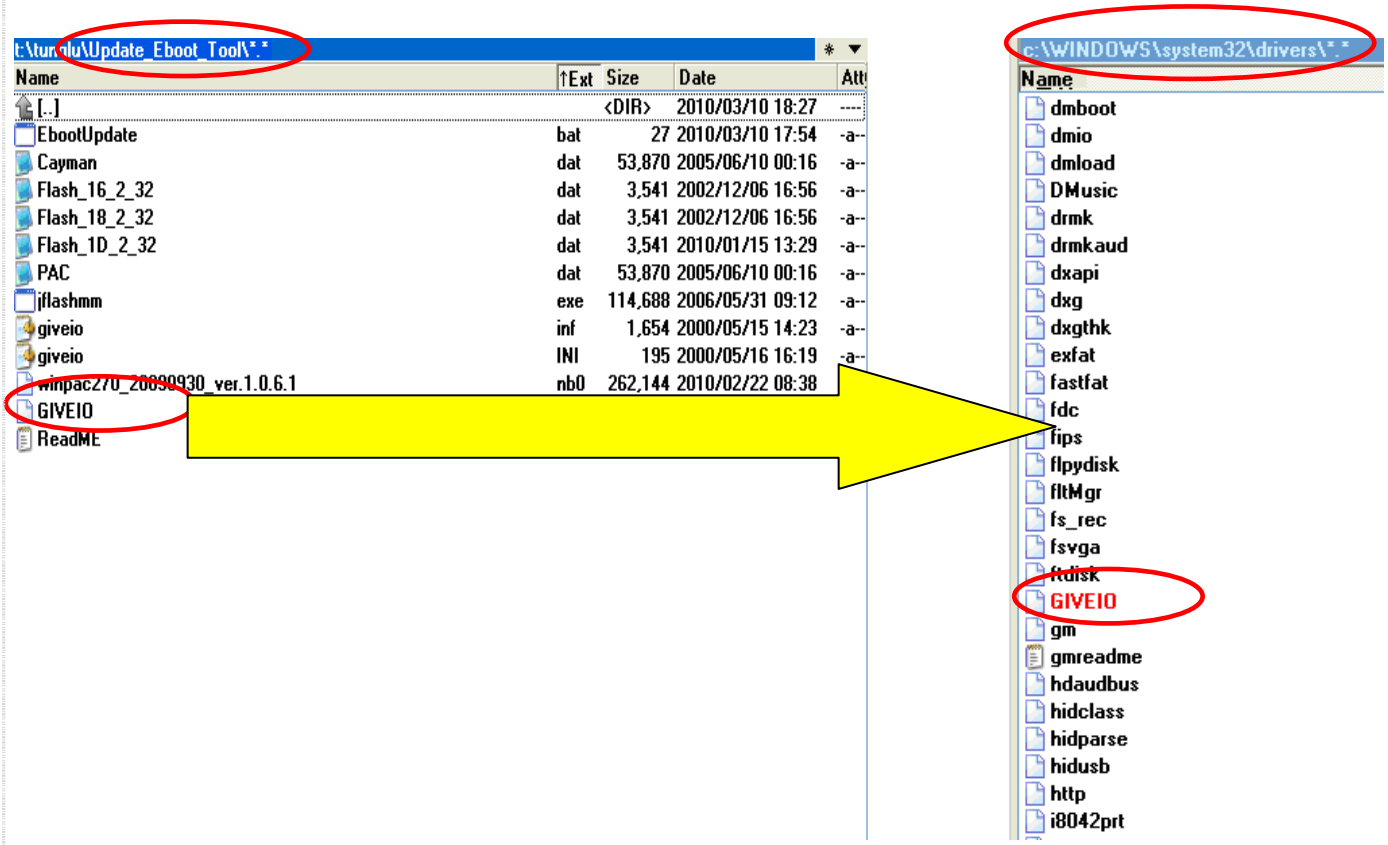


The location of latest version of boot loader for different devices is:

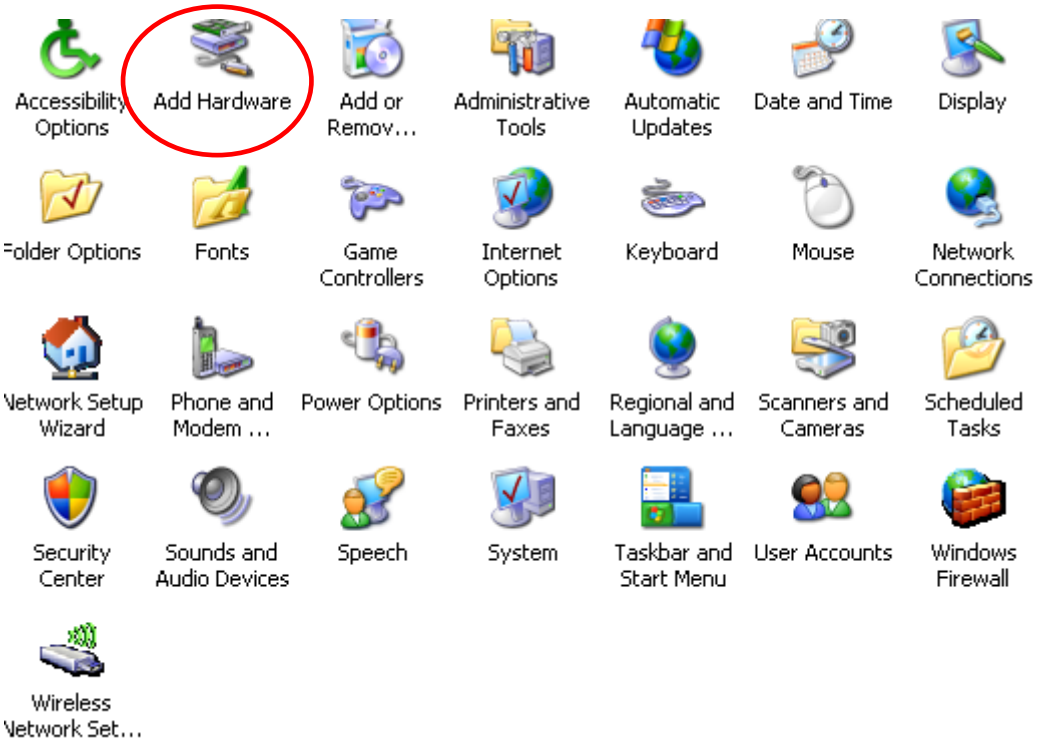
1. WP-8x4x is in CD:\napdos\wp-8x4x_ce50\os_image\eboot\ or ftp://ftp.icpdas.com.tw/pub/cd/winpac/napdos/wp-8x4x_ce50/os_image/eboot/
2. WP-8x3x is in CD:\napdos\wp-8x3x_ce50\os_image\eboot\ or “ftp://ftp.icpdas.com.tw/pub/cd/winpac/napdos/wp-8x3x_ce50/os_image/eboot/”
3. VP-25W1 is in CD:\napdos\vp-2000_ce50\os_image\vp-25w1\eboot\ or “ftp://ftp.icpdas.com.tw/pub/cd/winpac/napdos/vp-2000_ce50/os_image/vp-25w1/eboot/”
4. VP-23W1 is in CD:\napdos\vp-2000_ce50\os_image\vp-23w1\eboot\ or “ftp://ftp.icpdas.com.tw/pub/cd/winpac/napdos/vp-2000_ce50/os_image/vp-23w1/eboot/”
5. VP-4131 is in CD:\napdos\vp-4000_ce50\os_image\vp-413x\eboot\ or “ftp://ftp.icpdas.com/pub/cd/winpac/napdos/vp-4000_ce50/os_image/vp-413x/eboot/”

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Step 2: Install "Giveio".
Copy the "Giveio.sys" file from the "Update_Eboot_Tool" folder to the "c:\windows\system32\drivers" folder.

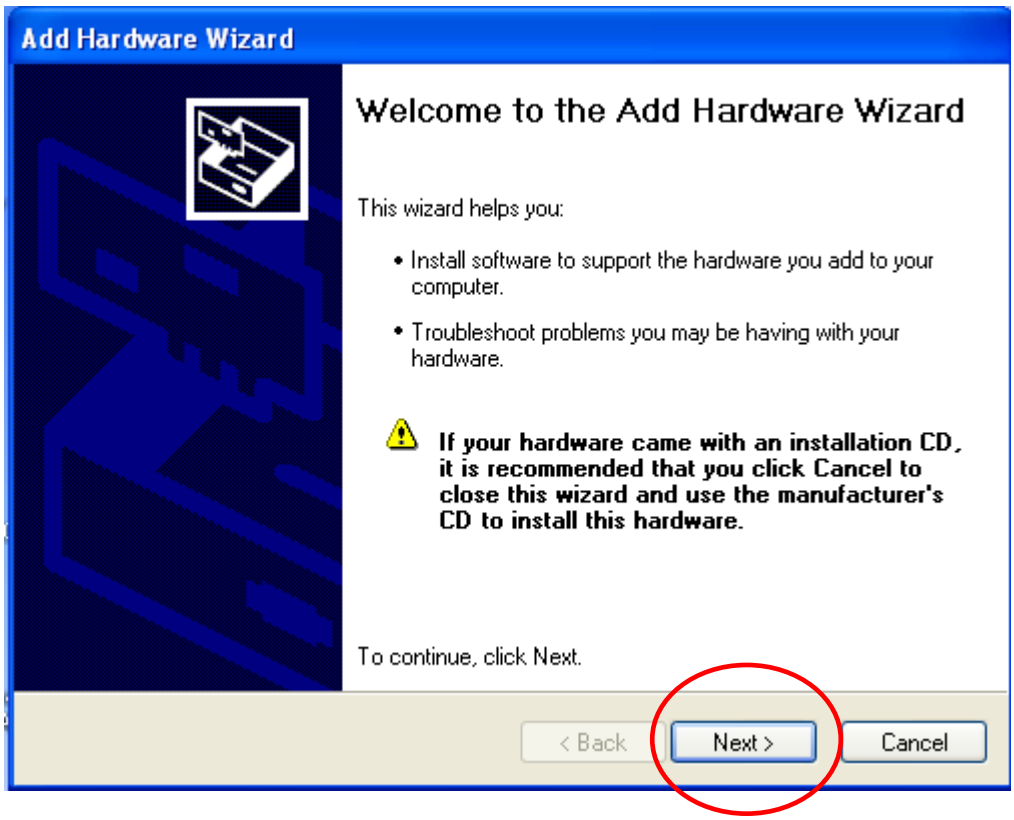


Step 3: Go to the Control panel and click the "Add Hardware" icon.

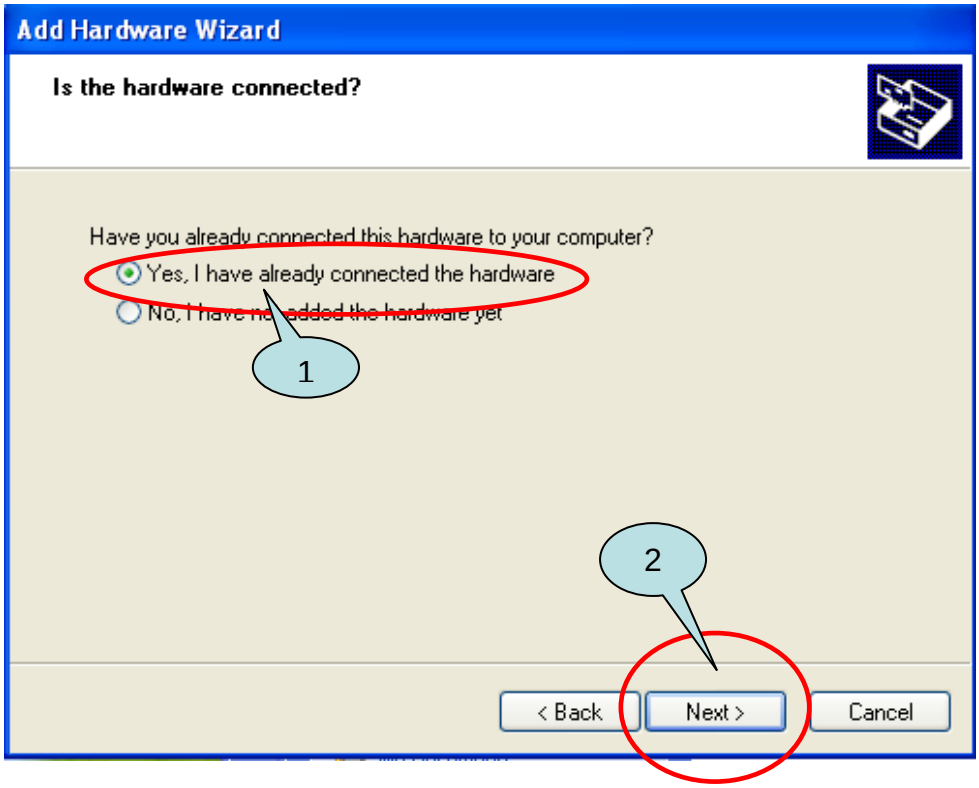


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Step 4:

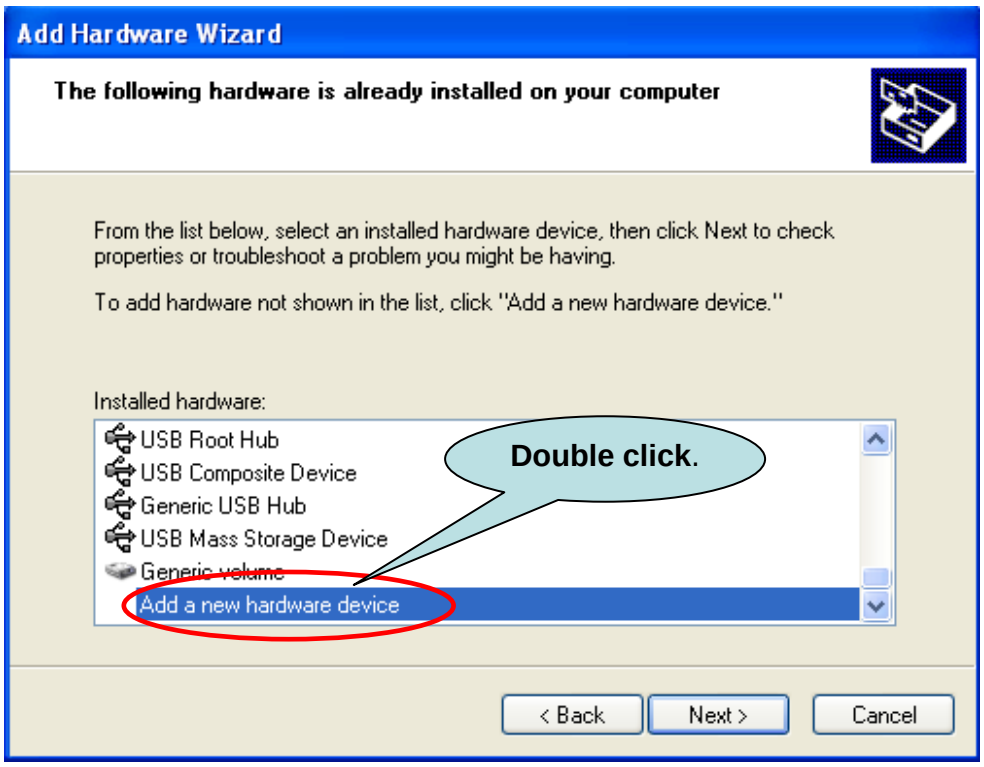


Step 5:

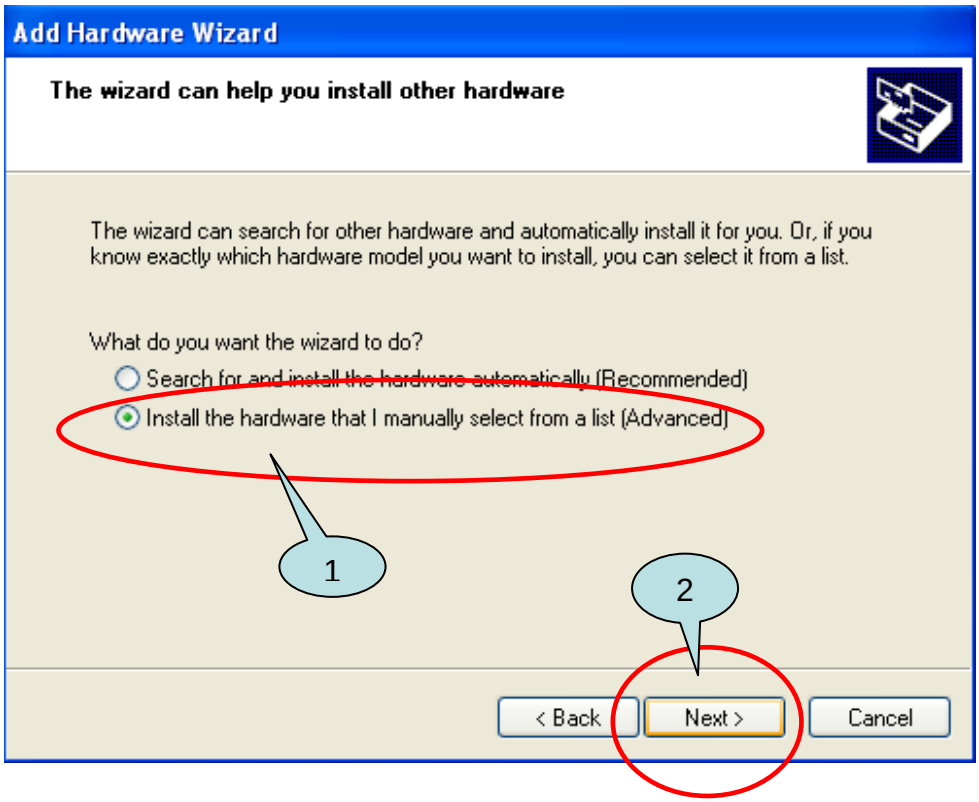


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Step 6:

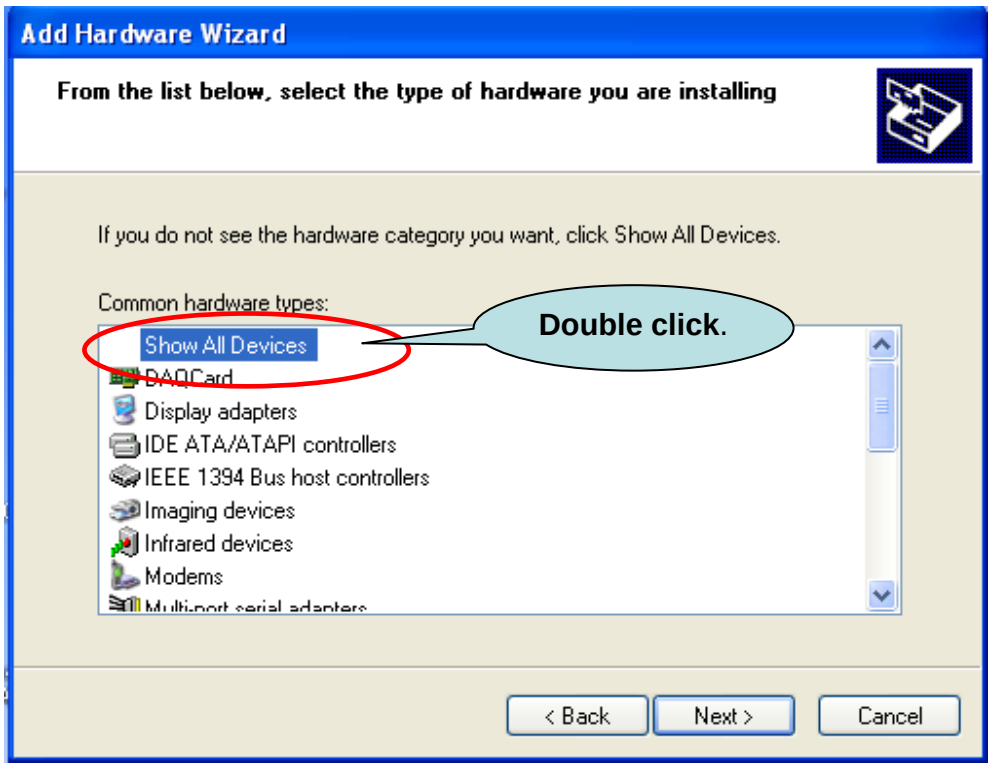


Step 7:

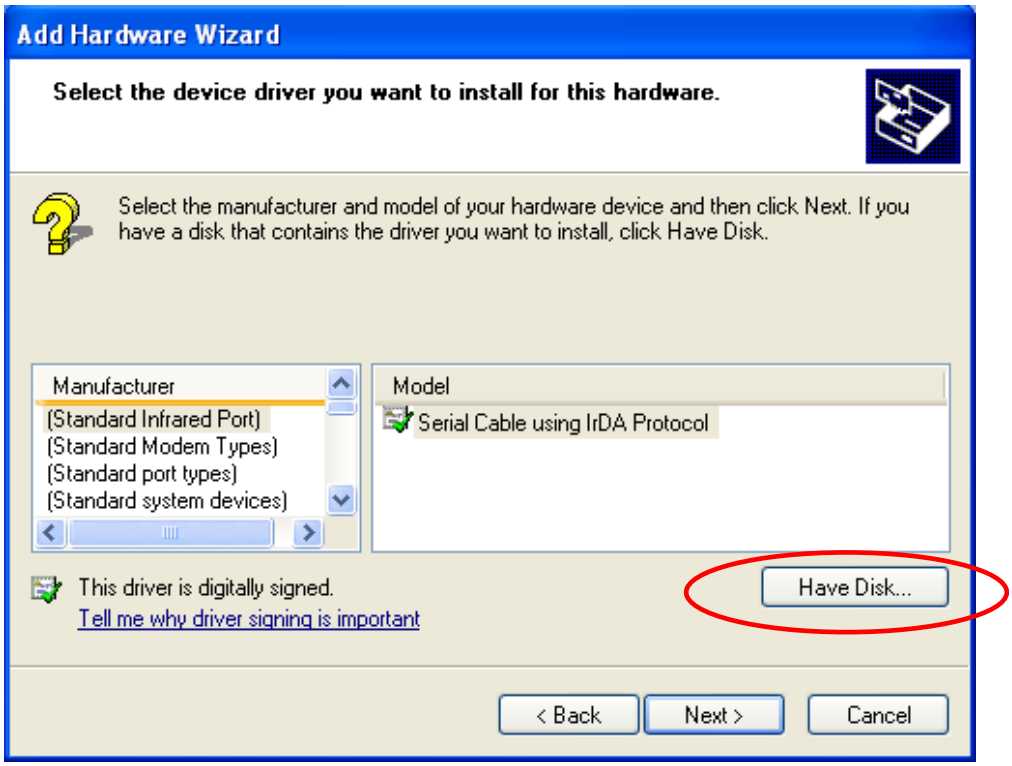


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Step 8:

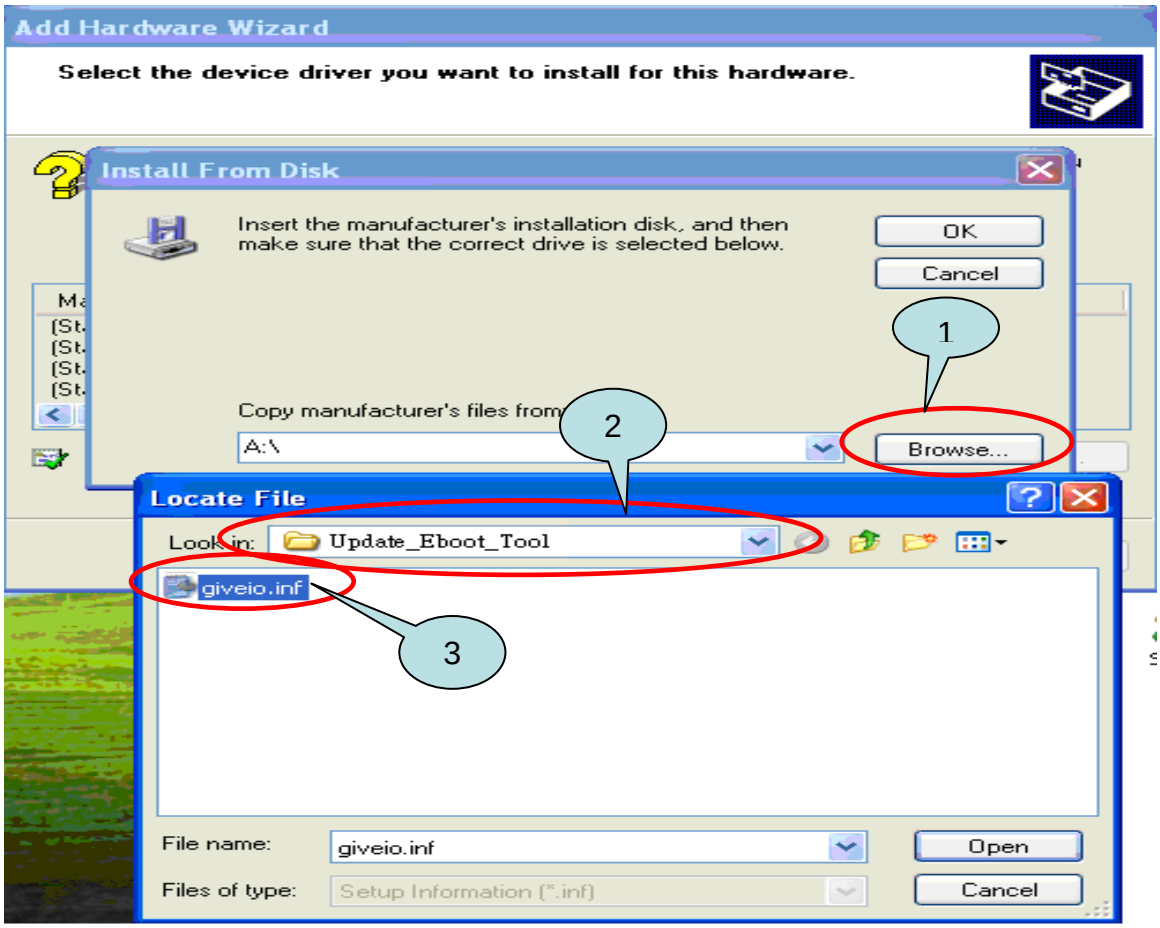


Step 9:

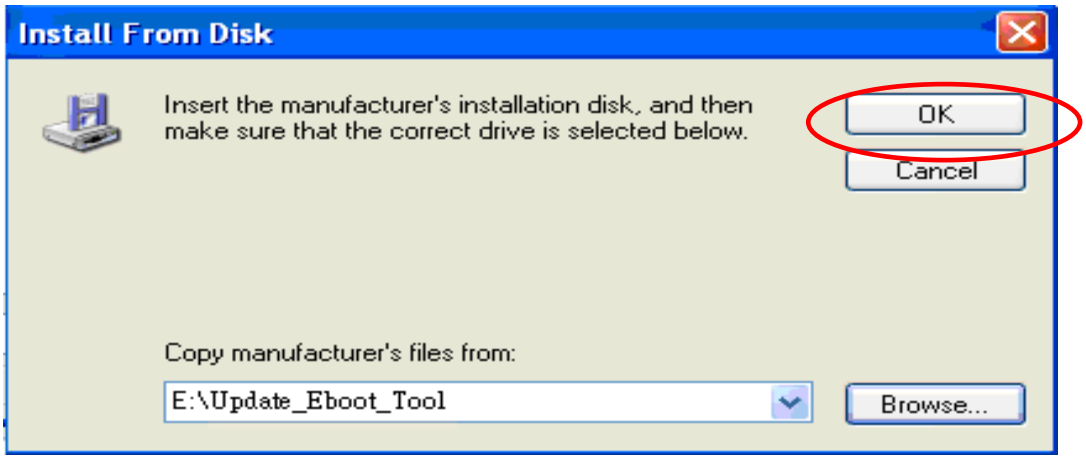


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9.1: Click the “Browse” button and locate the “**Update_Eboot_Tool**” folder and then select the “**giveio.inf**” file**.**

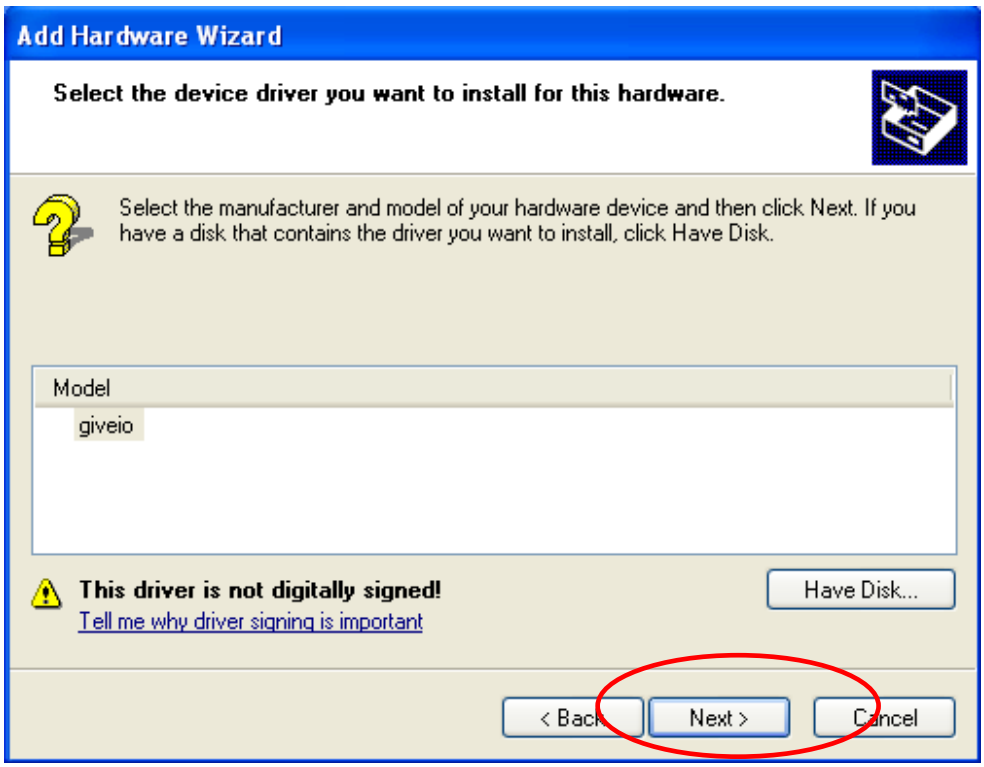


9.2:

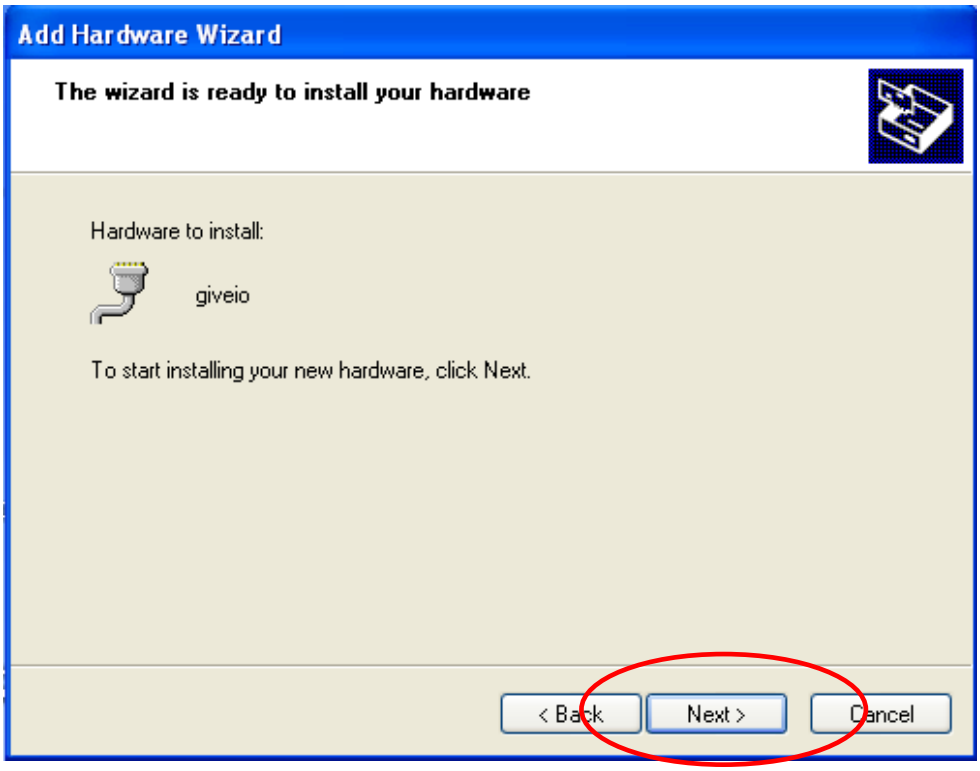


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9.3:

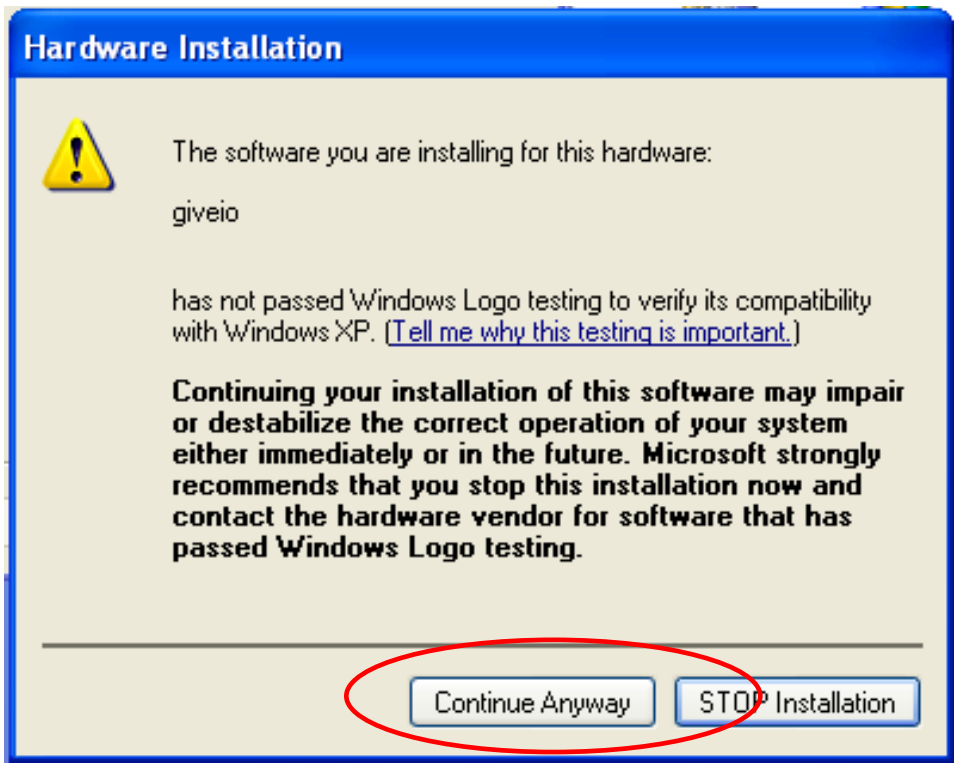


Step 10:



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Step 11:



Step 12:

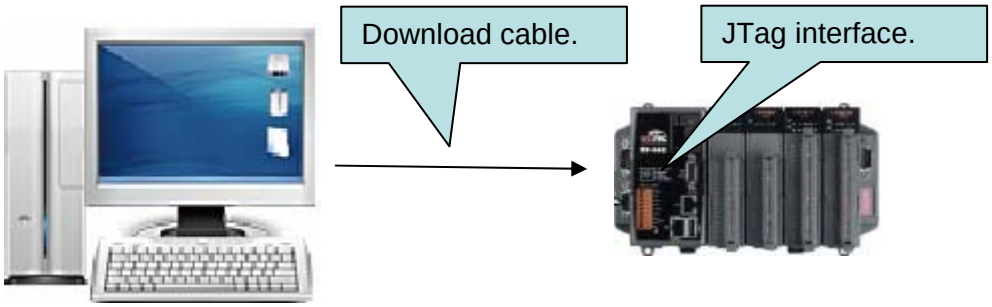


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12.1: Open Control Panel->System->Hardware->Device Manager and the “giveio” device showed be linked in the Ports (COM & LPT) section.



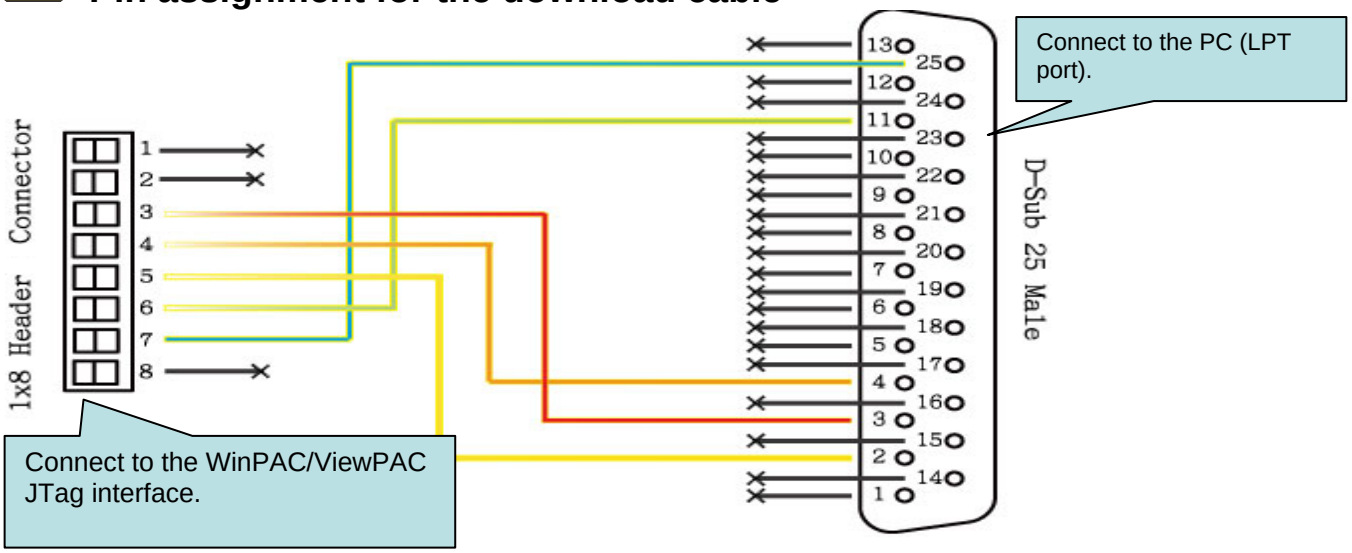
12.2: Connect the PC and the WinPAC/ViewPAC using the download cable.



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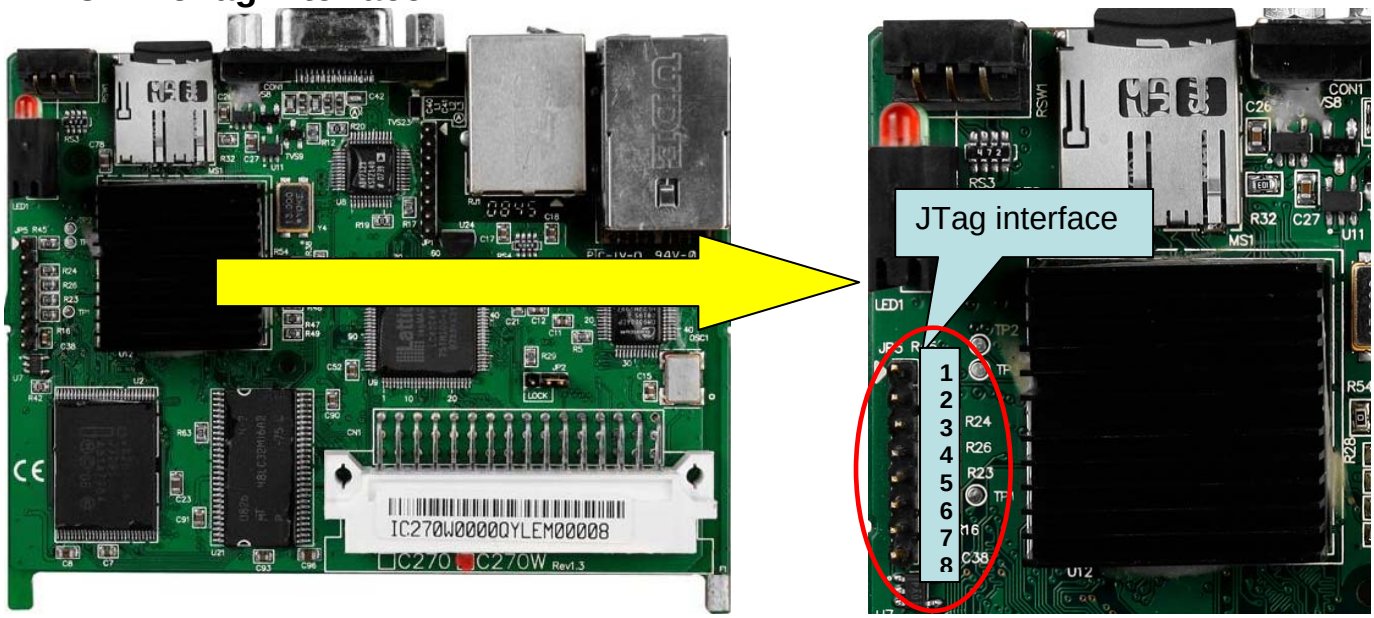
Tips & Warnings

Pin assignment for the download cable



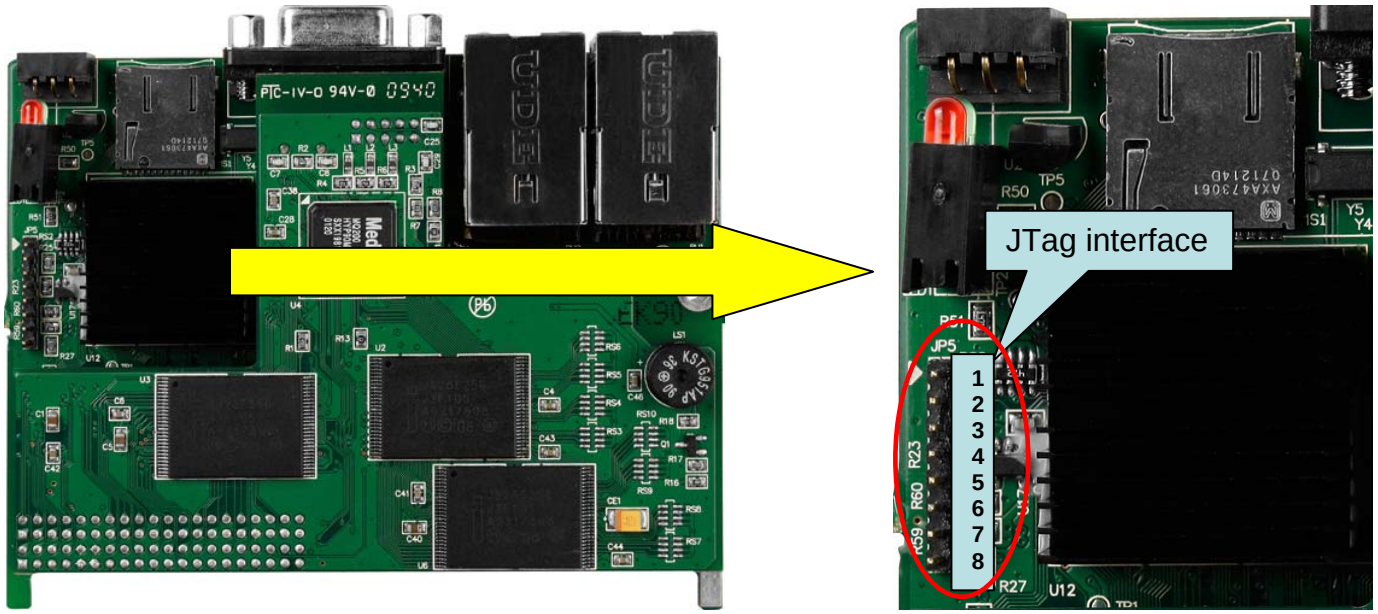
The JTag interface on different devices.

WP-8x4x JTag interface



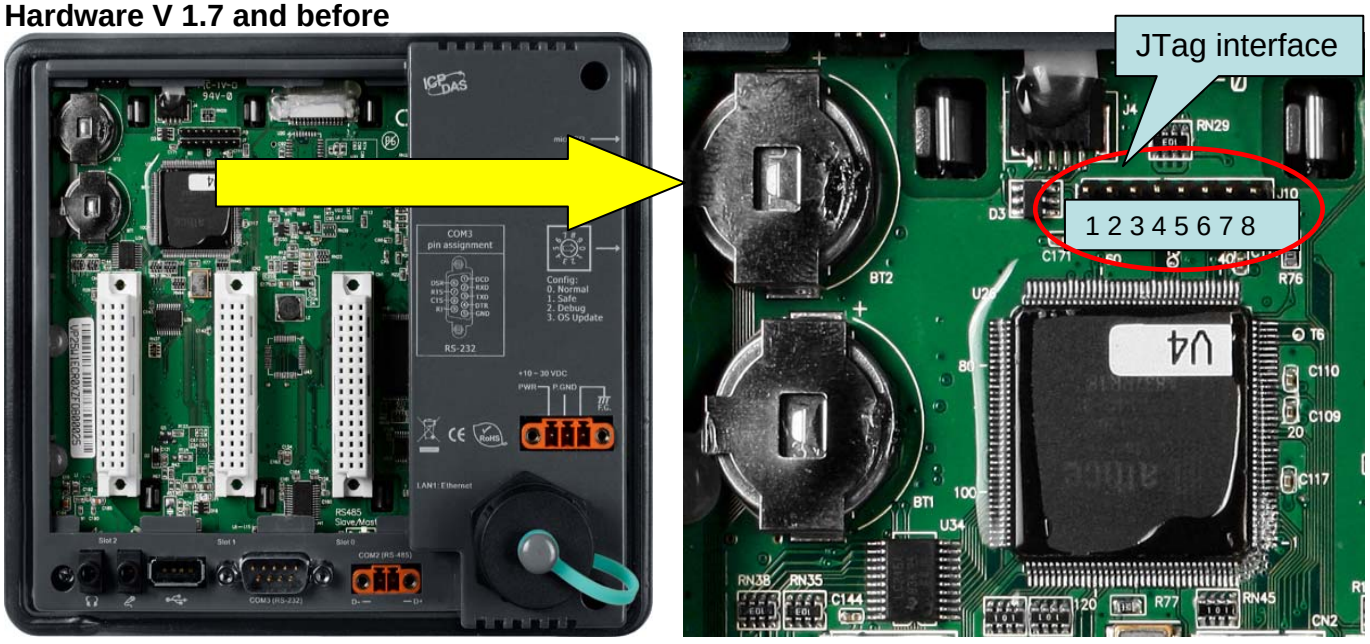
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WP-8x3x JTag interface



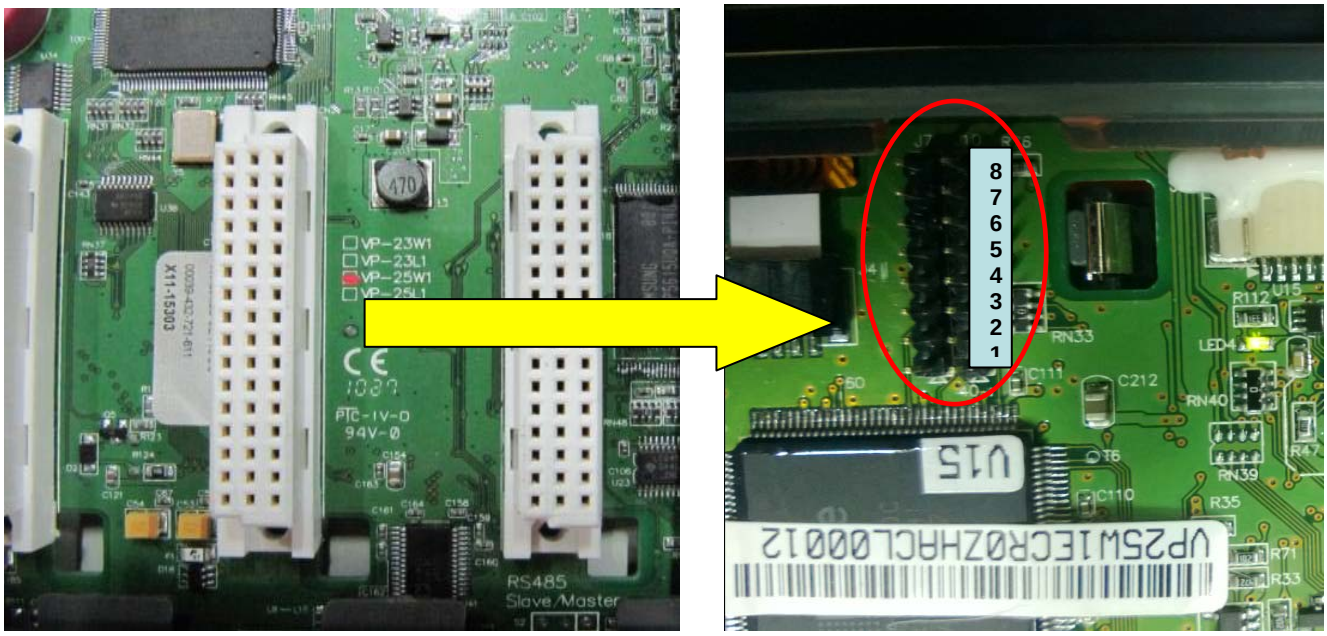
ViewPAC JTag interface

Hardware V 1.7 and before

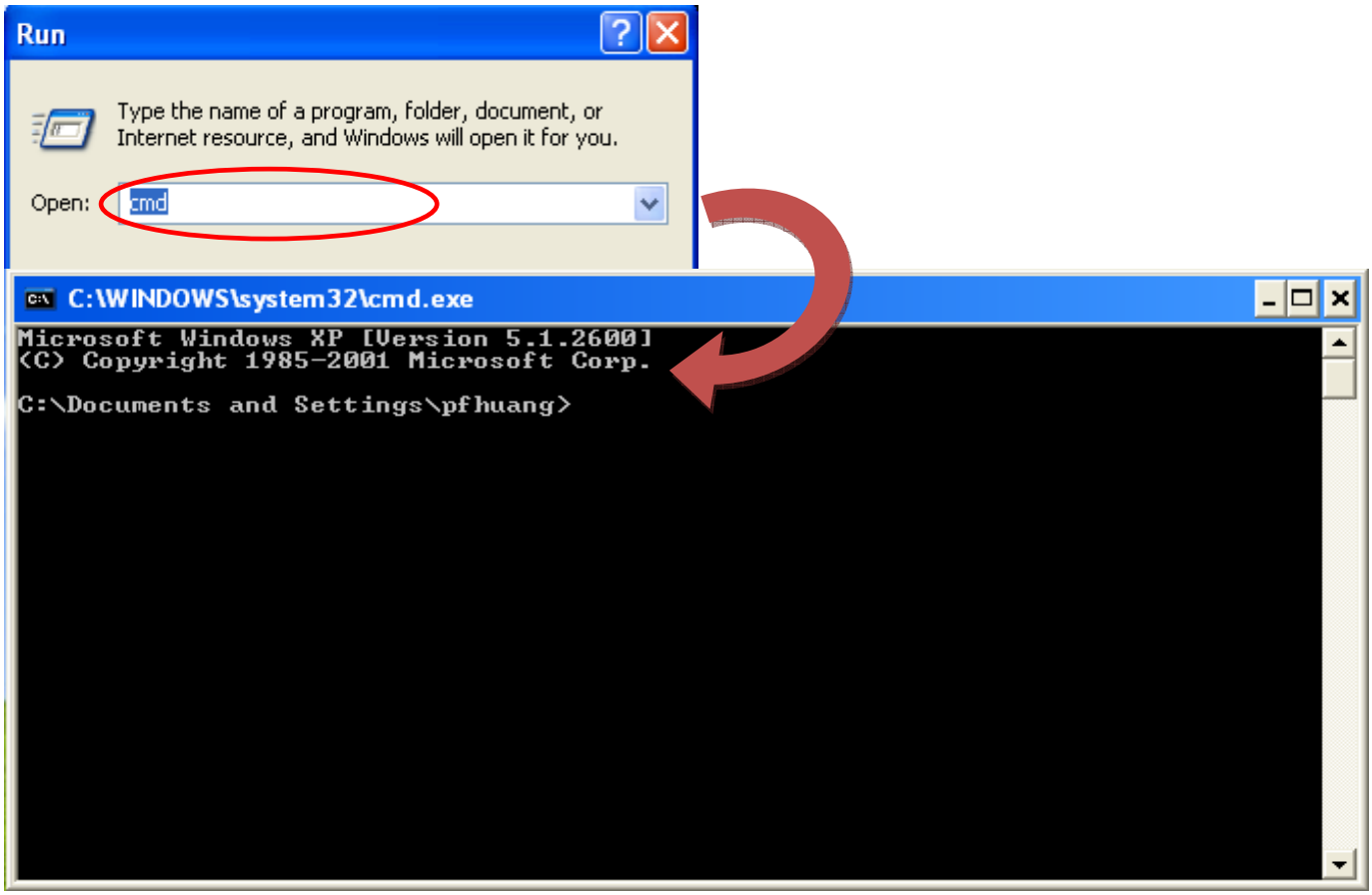


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Hardware V 2.0 and later

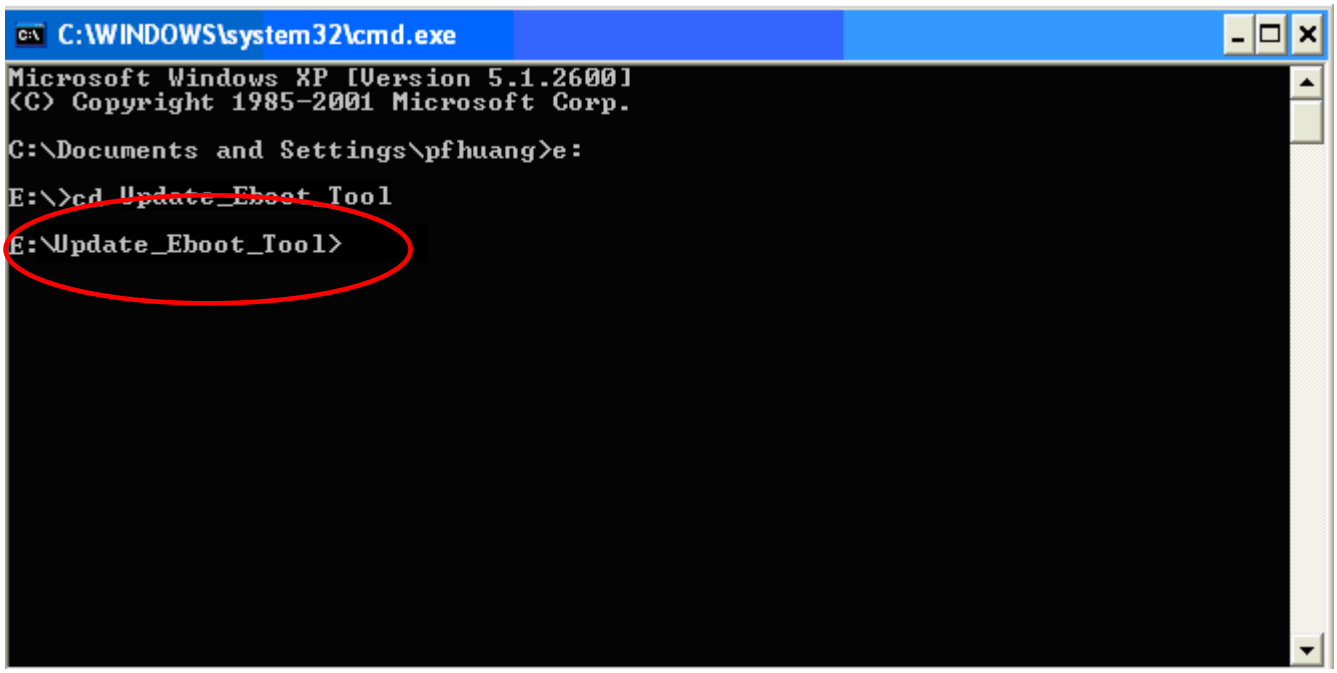


Step 13: Click Start->Run
13.1: Type “cmd” and press enter.

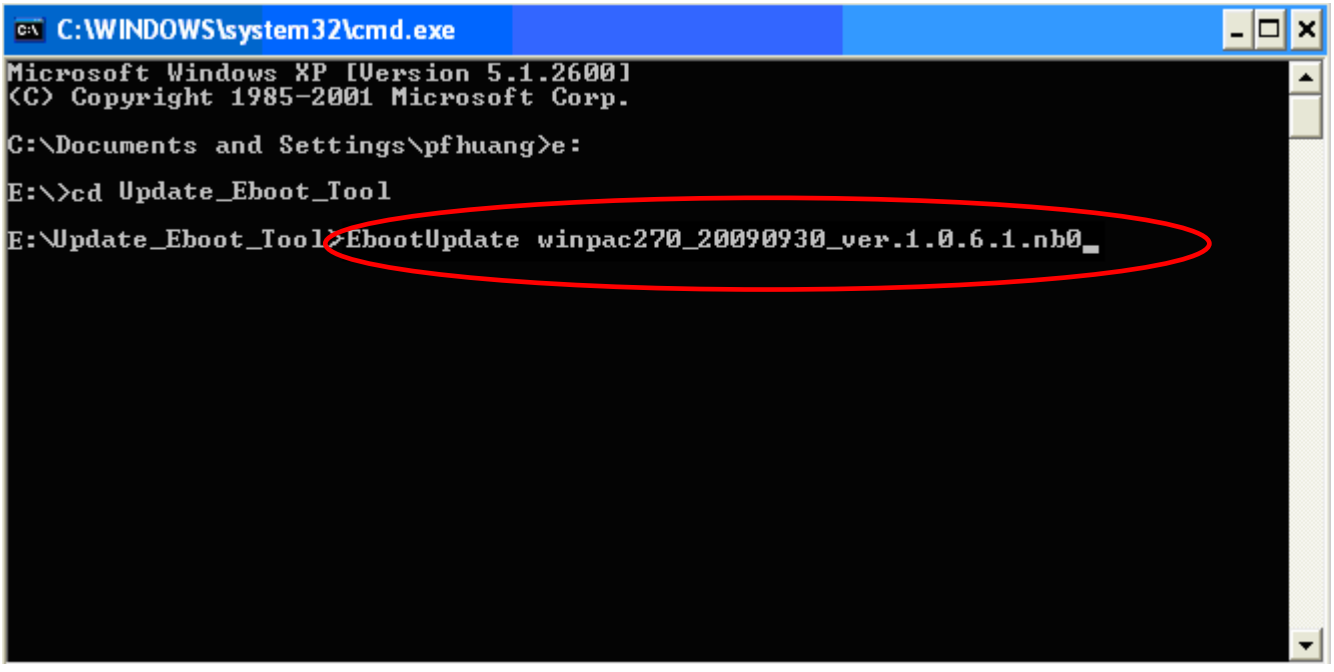


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Step 14: change directory to the “Update_Eboot_Tool” folder.

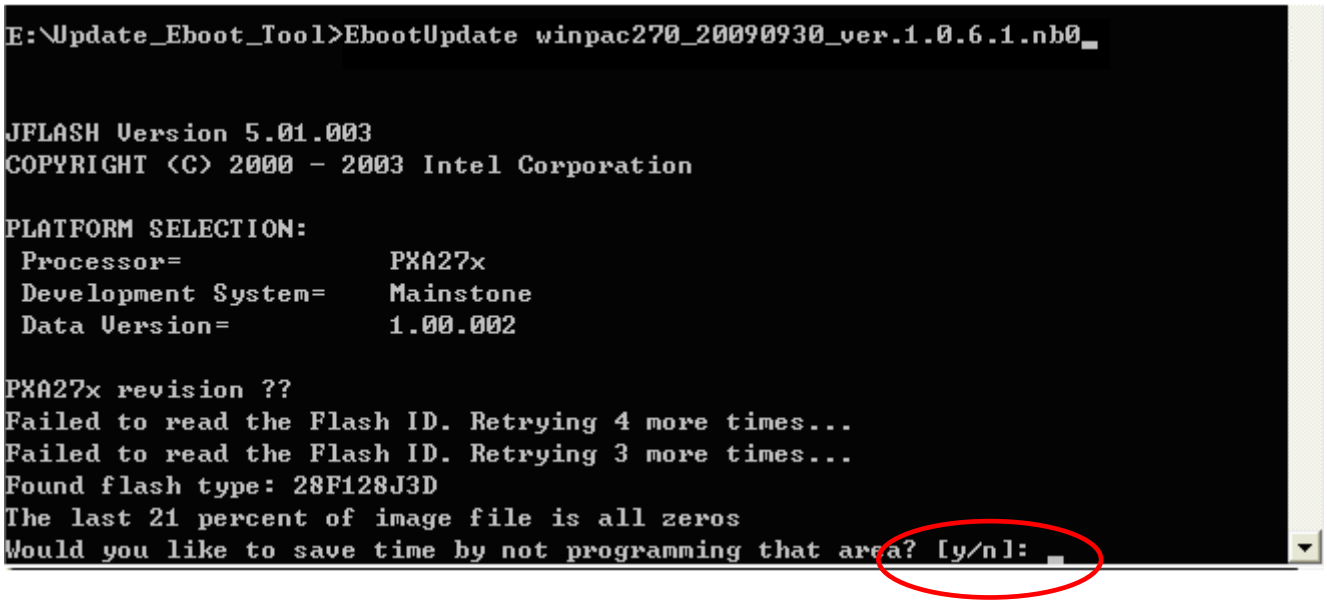


Step 15: Enter “EbootUpdate “<The name for the boot loader update package>” (Example: winpac270_20090930_ver.1.0.6.1.nb0)”.



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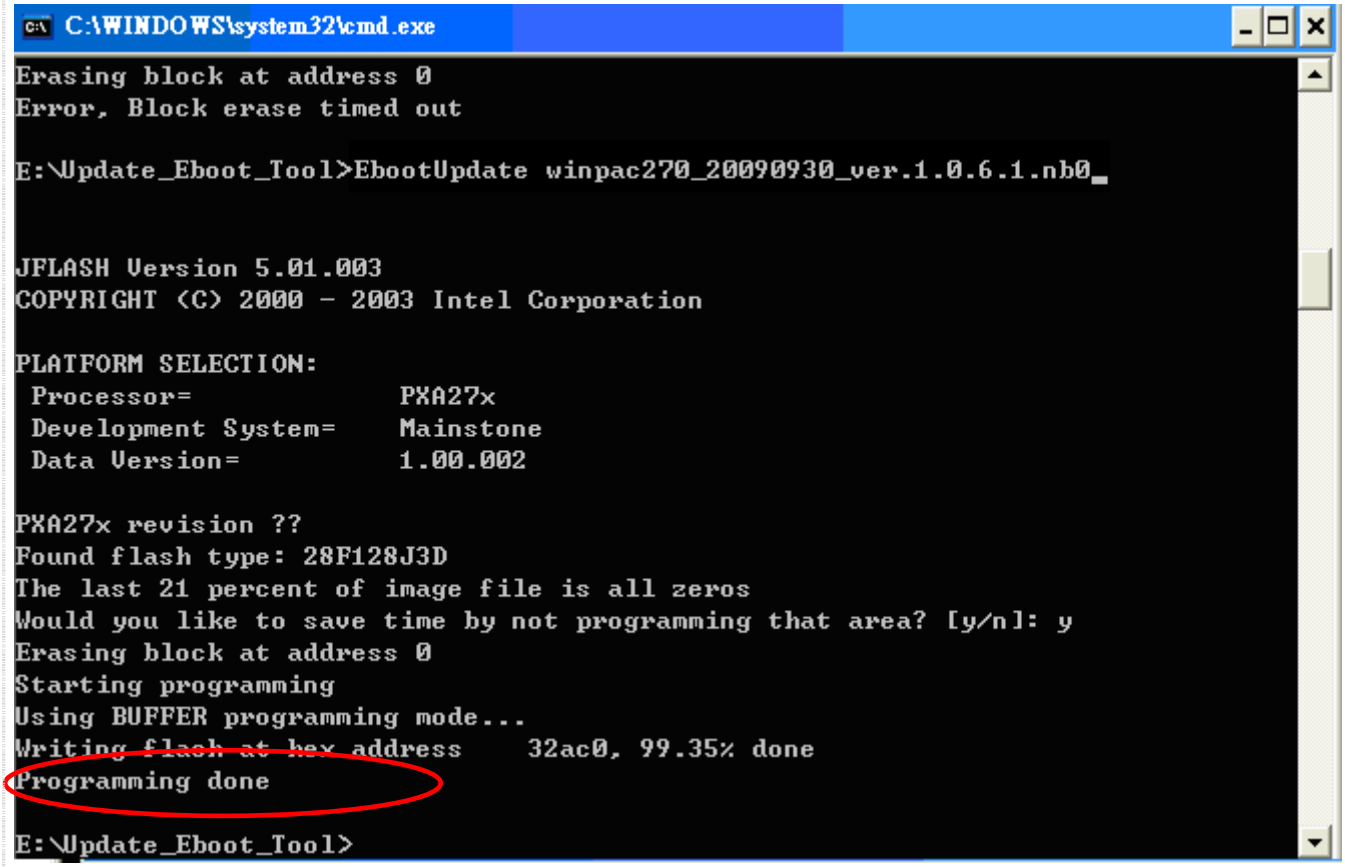
Step 16: Press “Y” and wait.



Step 17: When you **see** the message “Programming done”, reboot the WinPAC/ViewPAC in boot mode “3” and reinstall the OS image using the Eshell.



Please refer to “W4-01-02_how_to_update_OS_image_by_Eshell.pdf” for detailed information.



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Revision History

Revision	Date	Description
1.0.1	2013/05/16	NEW: Added support information for VP-4131.
1.0.0	2010/02/12	Initial release

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