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How to update OS image by Eshell

Applies to

| | <i>ES 10.</i> | | |
|---|---------------|--------------|---------------------|
| | Platform | OS Version | PAC Utility Version |
| | WinPAC | All Versions | All Versions |
| | ViewPAC | All Versions | All Versions |
| _ | | | |

Note: If you do not have the DHCP server in your LAN, please exchange to use the Micro_SD to update OS image.

Before updates OS, Please do below acts.

- 1. Preparation of below devices.
 - Monitor/VGA line USB Hub USB Mouse USB Keyboard Micro_SD

Tips & Warnings

By default, the OS updates via LAN1. Therefore, to update the OS image, make sure LAN1 is connected to the LAN Network.



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2. The registry of OS will return to the default value after update the OS image, please remember all settings in the WinPAC. (e.g. PWM
Desktop
Time Zone
screen resolution
SNTP
Ethernet settings
Auto execute
UI language.....)

3. Backup the System_ disk files in the Micro_SD folder.

Warnings

Ŵ

The System_disk will be formatted after update the OS image, please remember backup the System_disk files in the Micro_SD folder.



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Update WinPAC OS

To update OS image by Eshell, please perform the following steps:

Step 1: Download the <u>eshell.exe</u> and OS install file to the PC side.

Eshell.exe: CD: \WinPAC_AM335x\Wp-5231\pc_tools\eshell\

OS Image. http://ftp.icpdas.com/pub/cd/WinPAC_AM335x/Wp-5231/OS_Image/ (*Note1)

Note1: The OS image files of other platform: IWS-x231: <u>http://ftp.icpdas.com/pub/cd/WinPAC_AM335x/IWS-x231/OS_Image/</u> VP-x231: <u>http://ftp.icpdas.com/pub/cd/WinPAC_AM335x/VP-x231/OS_Image/</u>

There are six files in the OS installation file (*.Zip):

MLO XLDRSD.nb0 XLDRNAND.nb0 EBOOTND.nb0 EBOOTSD.nb0 NK.bin

Unzip the Zip file to the appropriate location. e.g. C:\AM335x_O....

Step 2: Turn the rotary switch to the "3" position and reboot.

| 1.0 | Rotary switch position | Modes of operation |
|---------|------------------------|-------------------------|
| | 0 | Normal |
| × E 2 × | 1 | Safe |
| | 2 | Debug |
| | 3 | OS update (By Eshell) |
| | 4 | Reserved |
| | 5 | OS update (By Micro_SD) |
| | 6 | Reserved |
| | 7~9 | Normal (User define) |

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| Ste | p 3: | Execution | "Eshell" | on the | PC side. |
|-----|------|-----------|----------|--------|----------|
|-----|------|-----------|----------|--------|----------|

| Select Device | |
|---------------------------------------|--|
| Enter Device Name: | ОК |
| וי Or <u>S</u> elect From the List | Cancel |
| < | Reset devices to automatically put names on the list. |
| | not. |

The "Select From the List" Listbox will display the device name after three seconds. (e.g. EVM33X-60945)

Step 4: Select the device that you want to update the OS image.

| ct Device | | - | |
|----------------------|---------------------------------------|---|--|
| ter Device Name: | ОК | | |
| Select From the List | Cancel | | |
| /M33X-60945 | Reset devices to automatically put | | |
| ~ | list. | | |
| | list. | | |

Step 5: Select the OS image file. (*.bin). Select the OS image file from the Unzip file of the "Step1", and the click the "Open" button.

| | | | 🗾 🗹 | |
|---------------------------|----------|------------------------|------------|----|
| B WP523x_20140623_Ver.1.0 | 0.0.0_ml | - 🗈 📸 🖅 | | |
| NK.bin | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | "NUZ I | | "atant" h | 4 |
| I ne Esnell update the | INK.DIN | The after clicking the | start b | ut |
| | ICP | DAS Co., Ltd. Technic | al documen | t |

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| | | | | | | I | |
| PC side | | | | | | | |
| 👼 Microsoft Window | vs CE Debug Shell - E | VM33X-60945 | (H:\WP523x_20 | 140623_Ver.1. | 0.0.0_ml\NK.bin) | | |
| <u>File E</u> dit <u>T</u> ools <u>O</u> pti | ions <u>V</u> iew <u>H</u> elp | | | | | | |
| | * | - M | 4 🙆 | | | | |
| EVM33X-60945: B | ootloader Versio | on 0.0, IP: | 10.1.0.43, | MAC: AABBC | CDDEE11 | | |
| onnecting to E | VM33X-60945 usir | ig Ethernet. | ••• | | | | |
| connecting to E | VM33X-60945 usir | ng Ethernet. | | | | | |
| connecting to E | VM33X-60945 usir | ng Ethernet. | | | | | 3 |
| Connecting to E | VM33X-60945 usir | ng Ethernet. | | | | | 2 |
| < | VM33X-60945 usir | ng Ethernet. | | | | | > |
| Connecting to E | VM33X-60945 usir | ng Ethernet. | | | | | 2 |

WinPAC side will show the installation progress.

V1.0.0.0

1. The WinPAC will download the NK.bin file from Ethernet to the SDRAM..



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The desktop will be displayed after OS update complete.



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Step 7: Restore the System_disk files form the Micro_SD folder.



Step 8: Restore your WinPAC settings.

(e.g. PWM Desktop Time Zone screen resolution SNTP Ethernet settings Auto execute UI language.....)



Step 9: Check the WinPAC OS version.

Start the PAC Utility on the desktop, and then select the "Device Information" tab to check the current OS version.

| PAC Utility [1.2.0.0] | | | | | | |
|--------------------------------------|-----------------------|---------------------------------|--|--|--|--|
| File Help | | | | | | |
| General Display IP Config Netw | OF Device Information | Auto Execution Rotary Execution | | | | |
| | | | | | | |
| Slot 1: | CPU Type: | WP523x | | | | |
| Slot 2: | Serial Number: | 01-78-76-1E-16-00-00-43 | | | | |
| Slot 3: | Backplane Version: | N/A | | | | |
| Slot 4: | CPU Version: | N/A | | | | |
| Slot 5: | OS Version: | 1001 | | | | |
| Slot 6: | .NET CF Version: | 3.5.7338.00 | | | | |
| Slot 7: | SQL CE Version: | | | | | |
| | PACSDK Version: | 4.3.0.0 | | | | |
| | | | | | | |
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