How to update OS image and Eboot by Micro_SD_card_english

Applies to:

Platform	*OS Version*	*PAC Utility Version*
WinPAC	*All Versions*	*All Versions*
ViewPAC	*All Versions*	*All Versions*

Before updates OS, Please do below acts.

1. Preparation of below devices.

Monitor/VGA line
USB Hub
USB Mouse
USB Keyboard
Micro_SD

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



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 and Eboot by Micro_SD card, please perform the following steps:
Step 1: Download the OS install file to the PC side.

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: http://ftp.icpdas.com/pub/cd/WinPAC_AM335x/IWS-x231/OS_Image/
VP-x231: http://ftp.icpdas.com/pub/cd/WinPAC_AM335x/VP-x231/OS_Image/

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: Copy the six files to the \Micro_SD folder on the PC side.

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

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Step 3: Insert the Micro_SD card to the WinPAC, and then turn the rotary switch to the "5" position. Reboot the WinPAC**.**

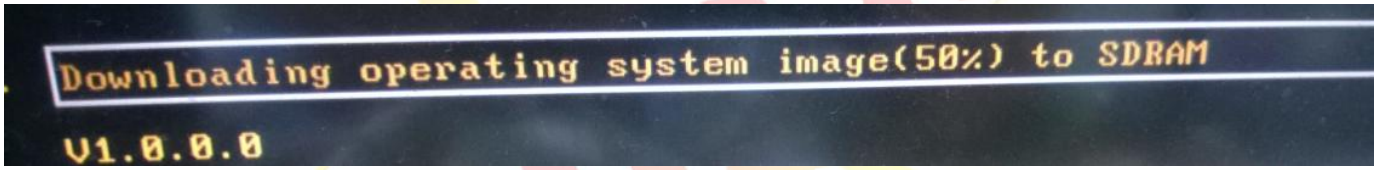


Rotary switch position	Modes of operation
0	Normal
1	Safe
2	Debug
3	OS update (By Eshell)
4	Reserved
5	OS update (By Micro_SD)
6	Reserved
7~9	Normal (User define)

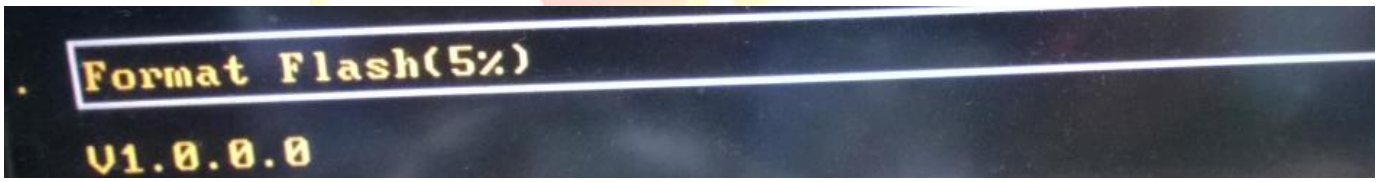
Step 4: Wait 5 minutes for WinPAC OS and Eboot install progress complete.

WinPAC side will show the installation progress.

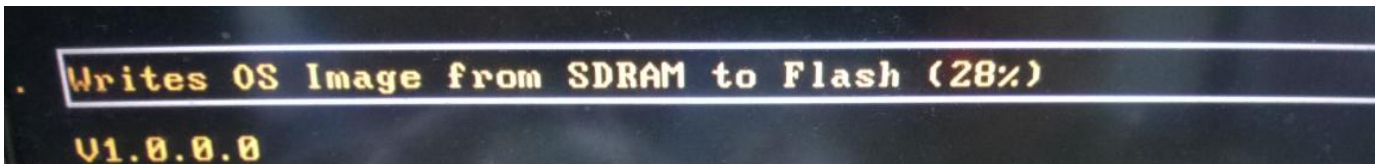
1. The WinPAC will download the NK.bin file from Micro_SD card to the SDRAM.



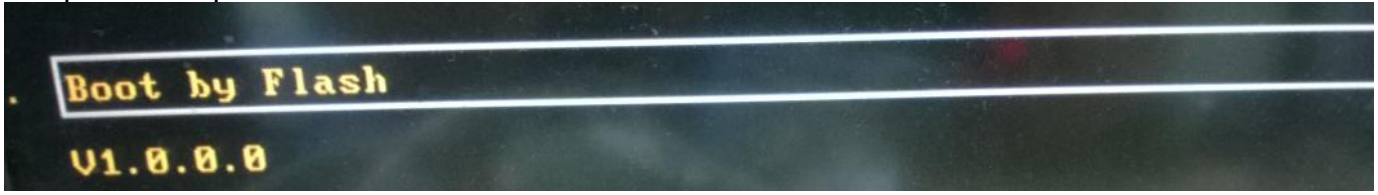
2. Erase and Format the OS Flash.



3. Write the OS image (NK.bin) from SDRAM to OS flash.



4. Update complete.

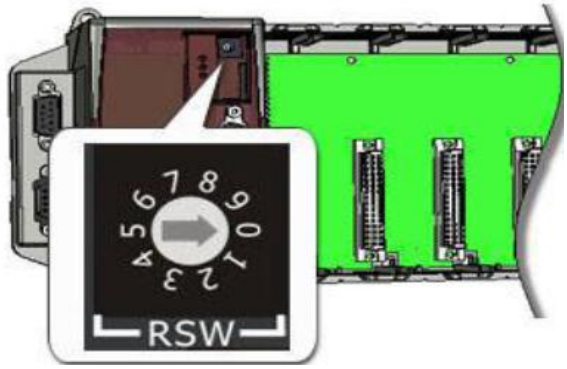


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The desktop will be displayed after OS update complete.

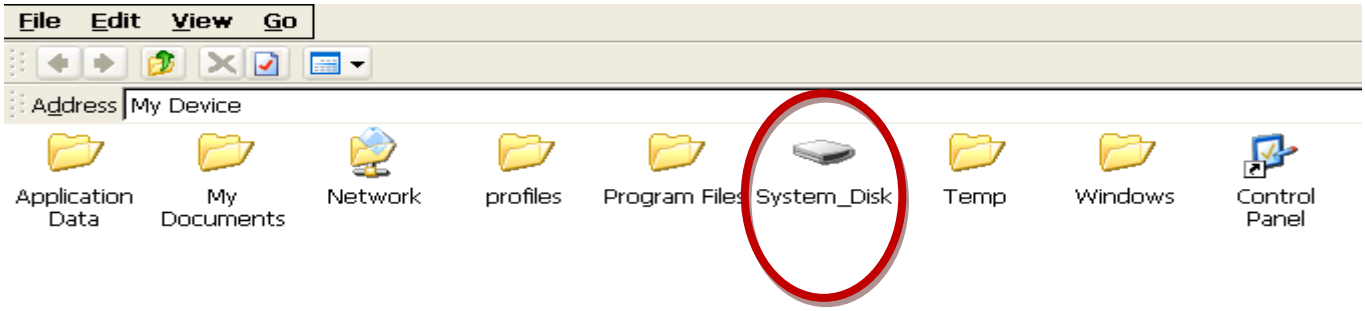


Step 5: Turn the rotary switch to the "0".



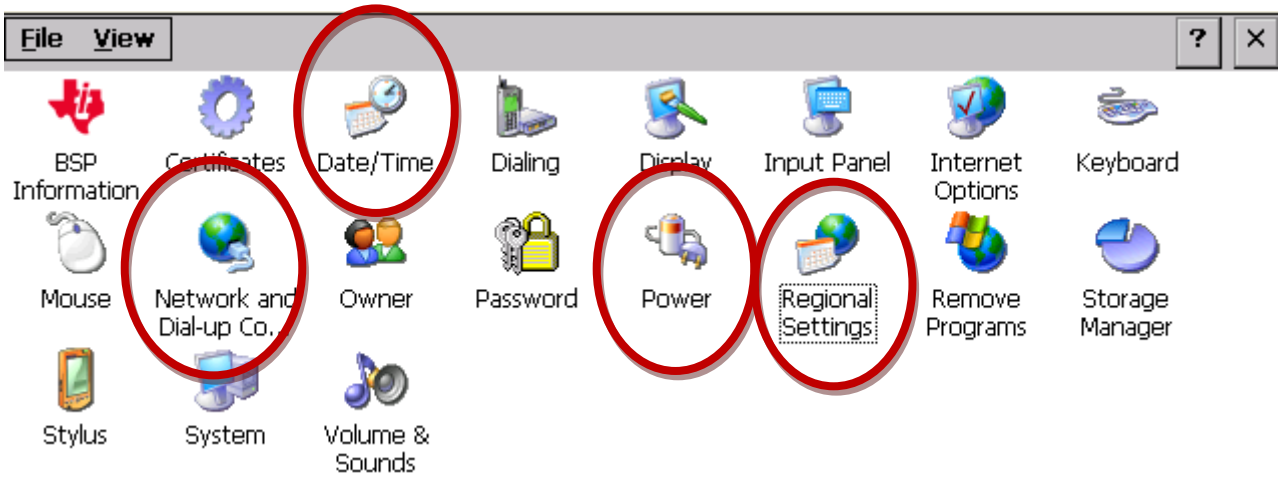
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Step 6: Restore the System_disk files form the Micro_SD folder.



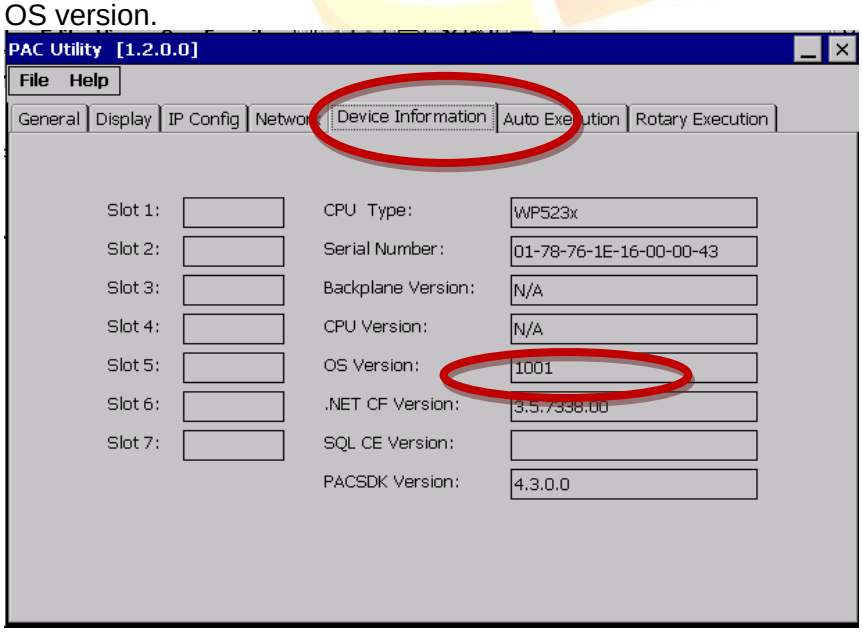
Step 7: Restore your WinPAC settings.

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



Step 8: 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.



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