How to Download Image for PICO-IMX6

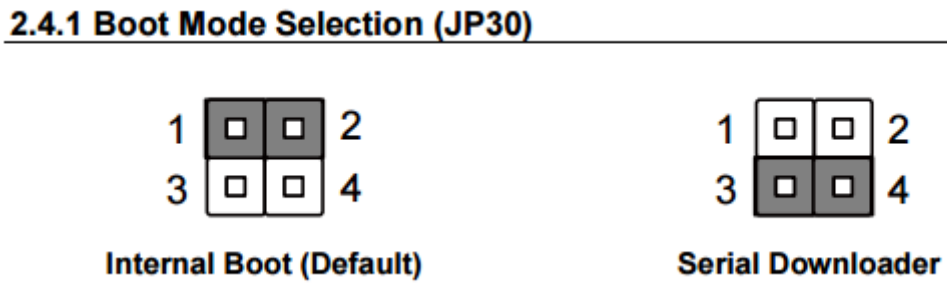
2017/06/08

Configure Board

Please follow below step to configure your PICO-IMX6.

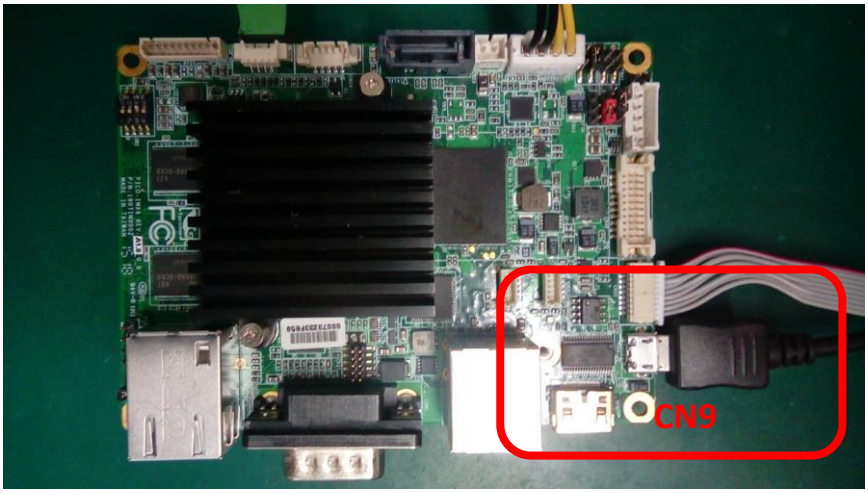
Step 1.

Set PICO-IMX6 to serial downloader mode.



Step 2.

Put the SD card to SD slot (eMMC can ignore) and plug the Micro USB to CN9.



Step 3.

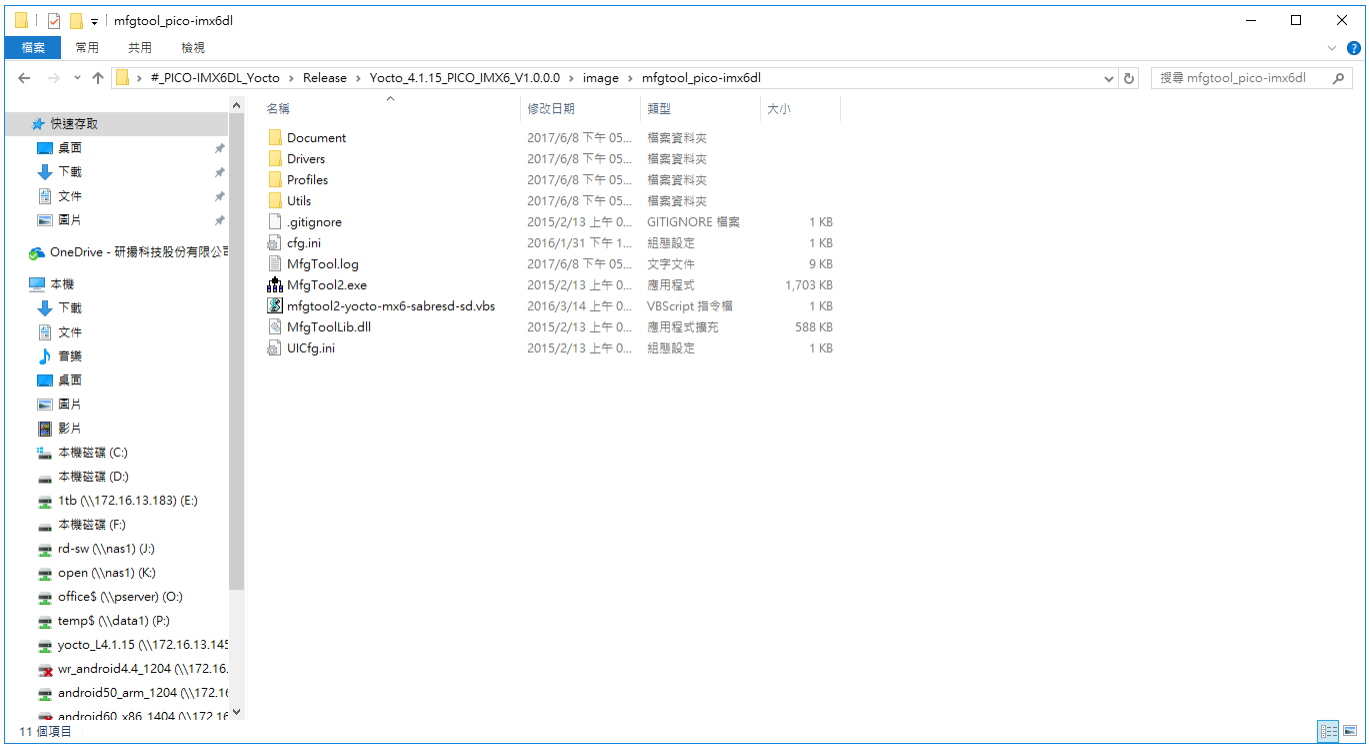
Turn on the PICO-IMX6.

Mfgtool

Please follow below step to download the image.

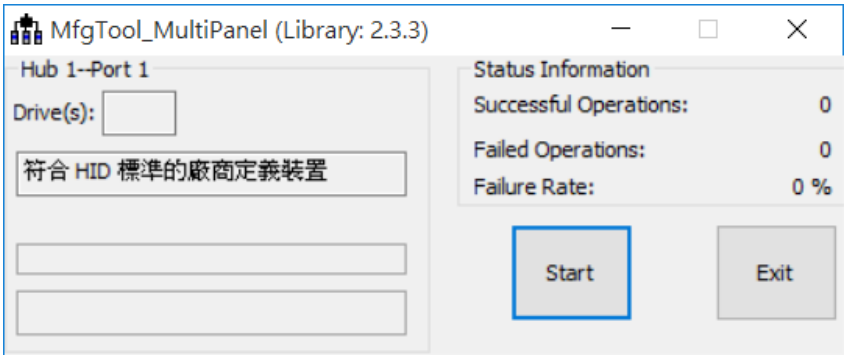
Step 1.

Open the Mfgtool directory.



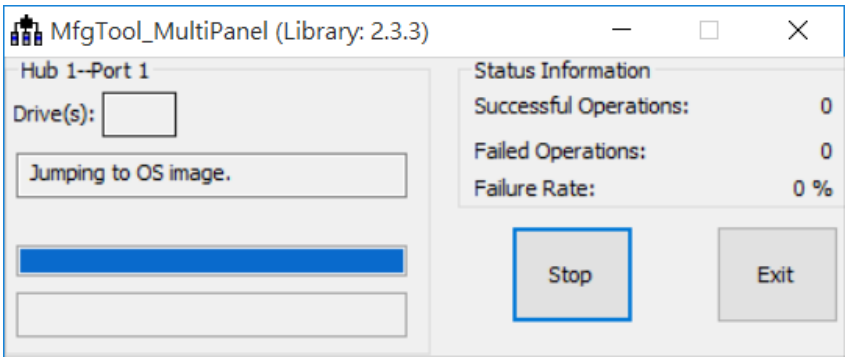
Step 2.

SD: Execute the “mfgtool2-yocto-mx6-sabresd-sd.vbs”.
eMMC: Execute the “mfgtool2- yocto-mx6-sabresd -emmc.vbs”.



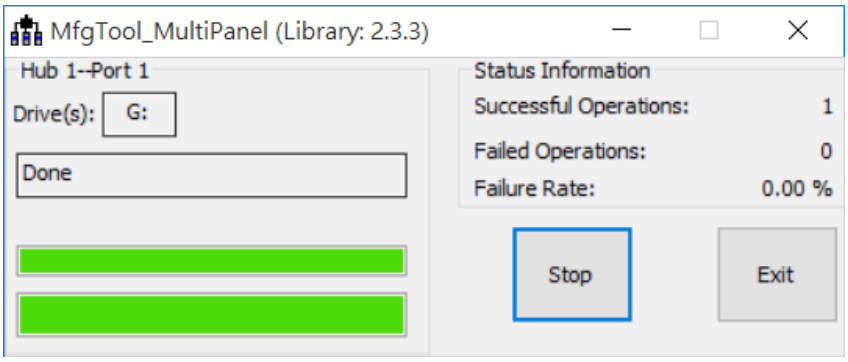
Step 3.

Click “Start” button to download the image.



Step 4.

When download successfully, please click “Stop” button and close the mfgtool.



Step 5.

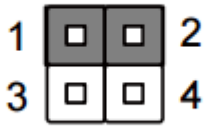
Turn off the board.

Boot System

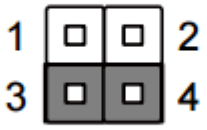
Step 1.

Set up PICO-IMX6 to internal boot mode.

2.4.1 Boot Mode Selection (JP30)



Internal Boot (Default)



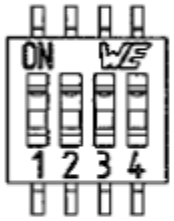
Serial Downloader

Step 2.

Set boot device to Micro SD or eMMC.

2.6 Boot Configuration Selection Switch (SW1)

This switch allows users to manually customize boot configurations for their needs.



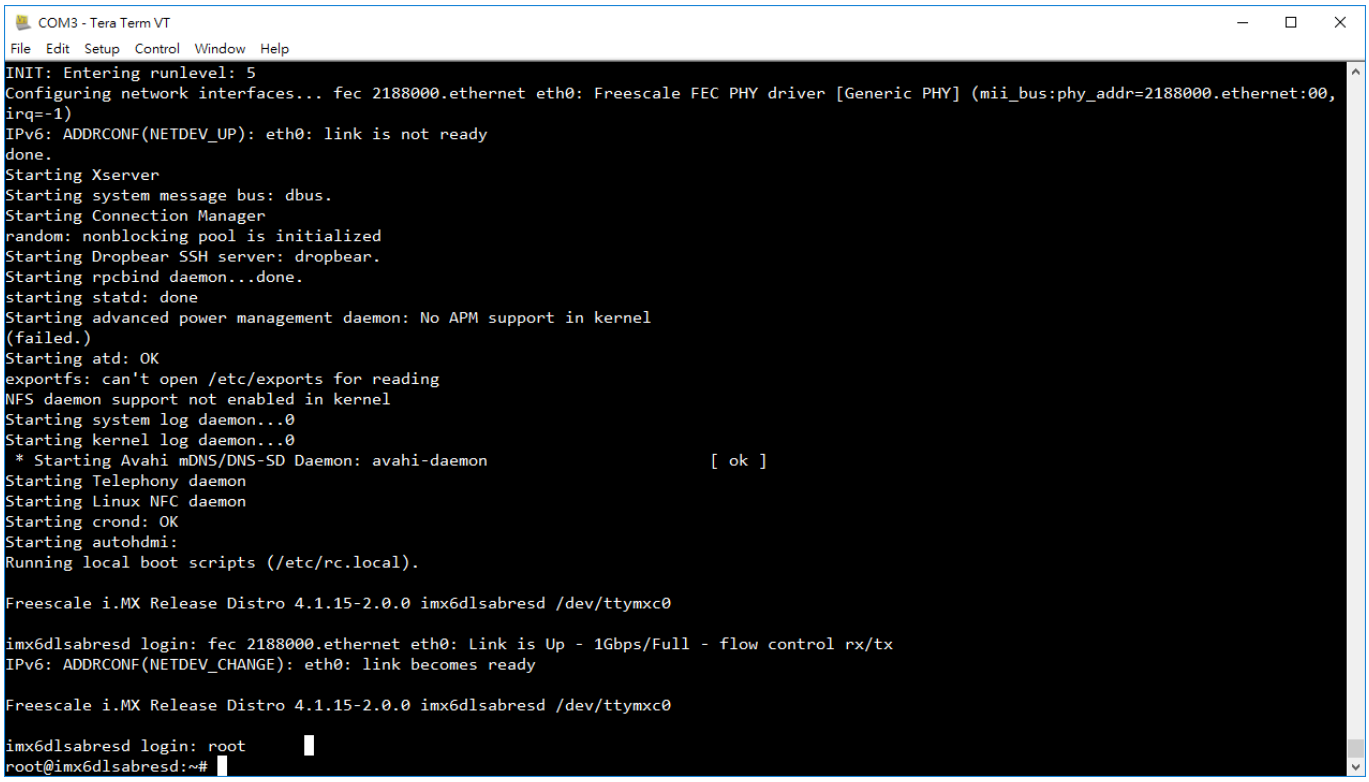
Boot Device	Bit 1	Bit 2	Bit 3	Bit 4	
Micro SD	OFF	OFF	ON	OFF	Default
eMMC	ON	ON	ON	ON	

Step 3.

Connect the debug port to your PC and open serial terminal (Putty or Tera Term).

Step 4.

Turn on the PICO-IMX6 and boot.



Note

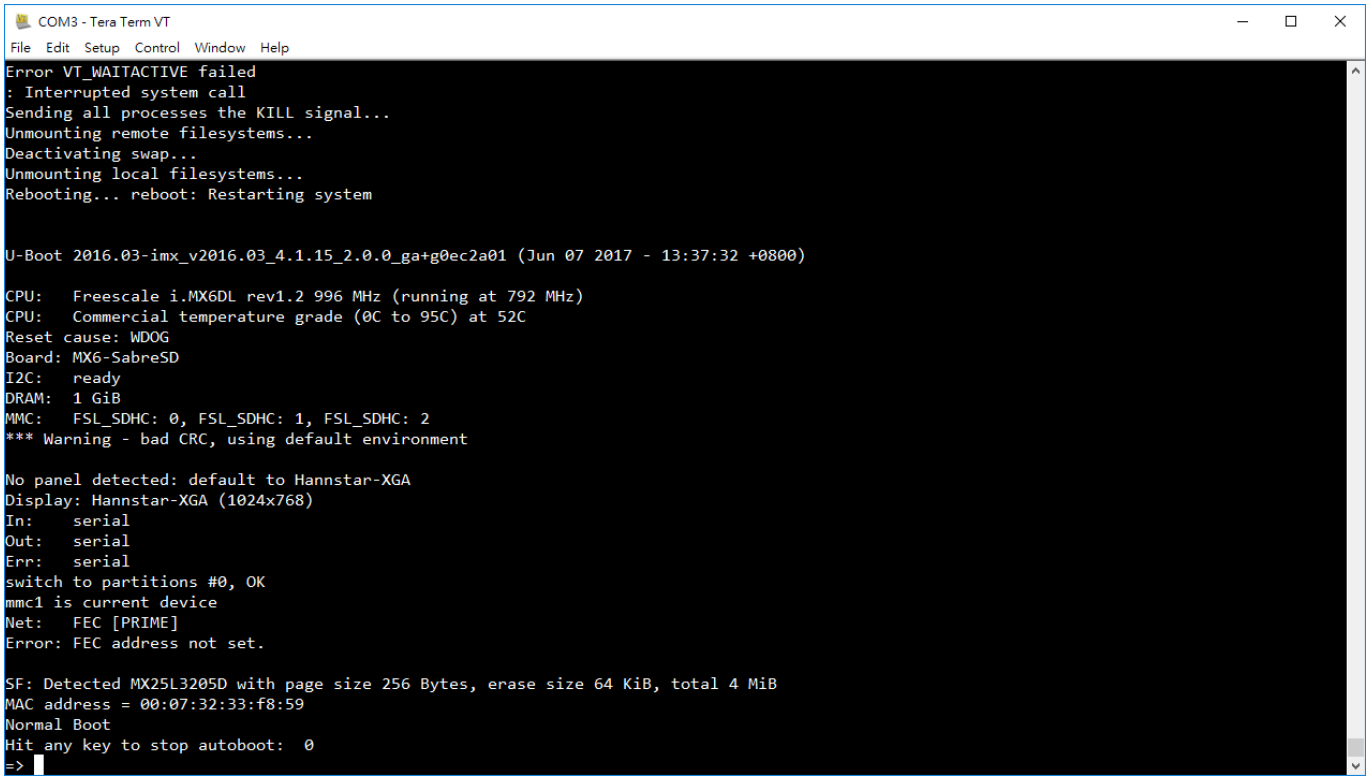
How to change display

Step 1.

Turn on the PICO-IMX6 and boot.

Step 2.

Press any key on U-Boot



Step 3.

1.
Boot up the system by HDMI (default):

=> setenv pri_dis video=mxcfb0:dev=hdmi,1920x1080M@60,if=RGB24

Boot up the system by LVDS:

=> setenv pri_dis video=mxcfb0:dev=ldb,if=RGB666

2. Save environment

=> saveenv

3. Reboot

=> reset