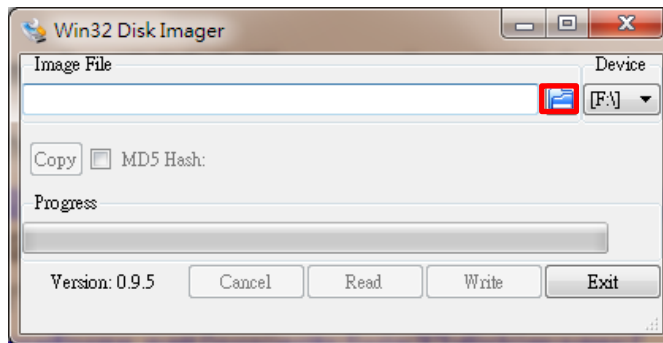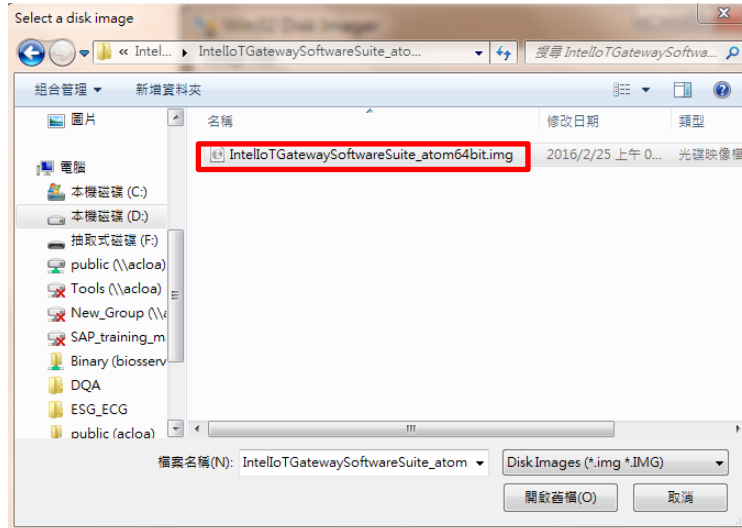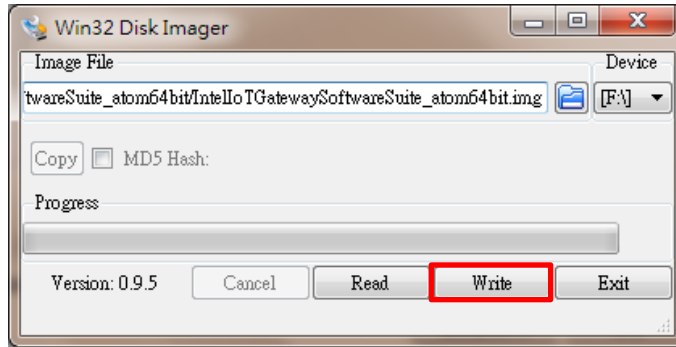# How to make IDP3.1 Flex version USB bootable disk

1. Flex image need to apply from Intel website. Please reference below manual.
    http://www.intel.pl/content/dam/www/public/us/en/documents/guides/iot-platform-marketplace-guide.pdf

2. Prepare a 4GB USB disk

3. Download 3rd utility "Win32DiskImager" and install it
    https://sourceforge.net/projects/win32diskimager/

4. Plug USB and Open Win32DiskImager
    Click red part to select image

5. Select intel atom image "IntelIoTGatewaySoftwareSuite_atom64bit.img"

6. Click "Write"

Installing the IDP 3.1 Flex image to UTX-3115 Hard Disk

1.   Insert the USB Flash Drive into the UTX-3115
2.   Boot into to BIOS menu
3.   Change USB flash drive be the first boot priority, save and exit.

BIOS Menu -> Boot -> Hard Drive BBS Priorities -> 1.USB Flash Drive

4.   System should boot up using the USB Flash Drive.
5.   Login account: root / Login password: root
6.   From the UTX-3115, install the IDP XT from the USB flash drive to the UTX-3115 hard disk drive, using the command:

      /sbin/deploytool -d /dev/sda --reset-media -F

Say "yes" when asked to "Restore the boot media to its factory defaults." This process will take several minutes.

7.   When copy has finished, shutdown by entering the command: halt
8.   Wait until the Power button light turns off.
9.   Remove the USB key.
10. Press the Power button to power-on the board from the Hard Disk Drive.
11. When the system has booted, login as user: root password: root.
12. The UTX-3115 is ready to use.