

Advantech AE Technical Share Document

Date	2019//8/13	SR#	1-3295498016
Category	<input checked="" type="checkbox"/> FAQ <input type="checkbox"/> SOP	Related OS	N/A
Abstract	How to update image with TagLink/EdgeLink Studio		
Keyword	TagLink Studio, image updating		
Related Product	ADAM-3600, ECU-1152, ECU-1251, ECU-1051		

■ **Problem Description:**

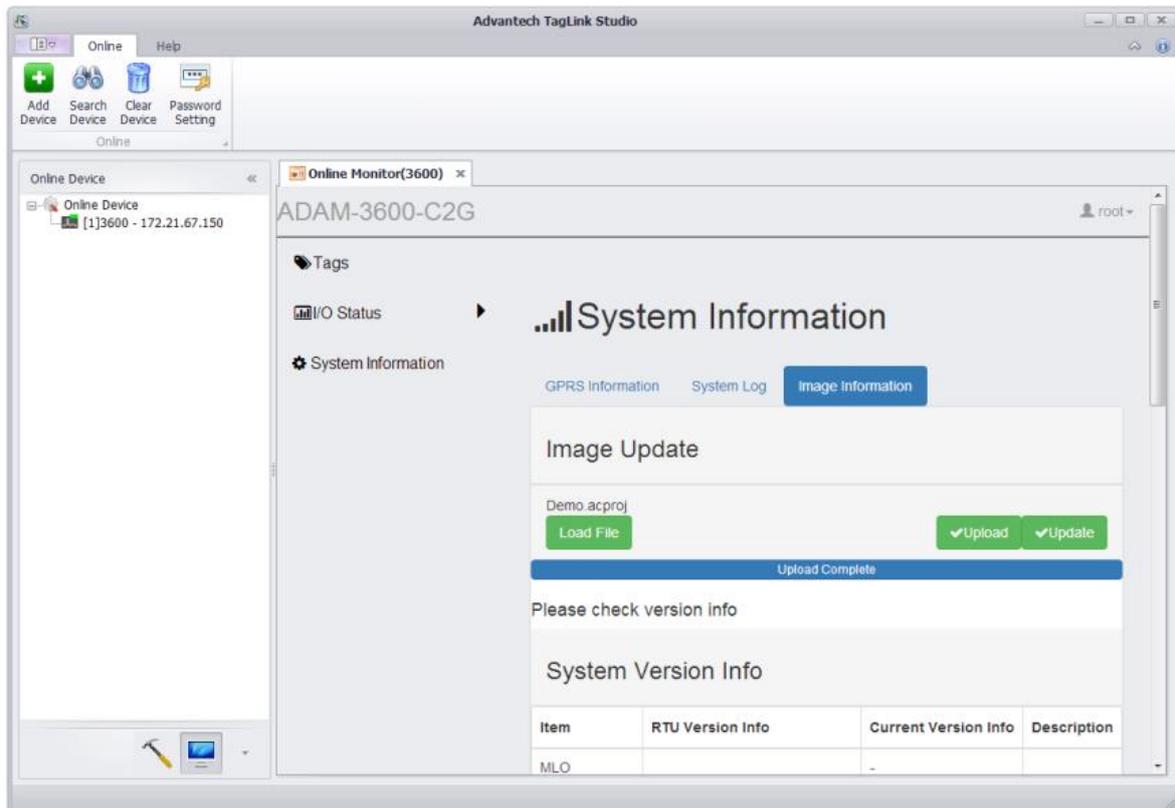
This document shows how to update image with TagLink Studio.

■ **Answer:**

Option 1: ADAM-3600 Image Updating with Taglink Studio

This operation is only available when users have logged in Taglink Studio.

1. Click "Load File" button to select the bin package to be updated.
2. Click "Upload" button to upload the file.
3. The upload process will take about 2 minutes.
4. After the file has been successfully uploaded, click "Update" button to start image updating.
5. After the updating, ADAM-3600 will restart. Then, "ADAM-3600 boot successful" message will pop up to indicate a successful reboot.



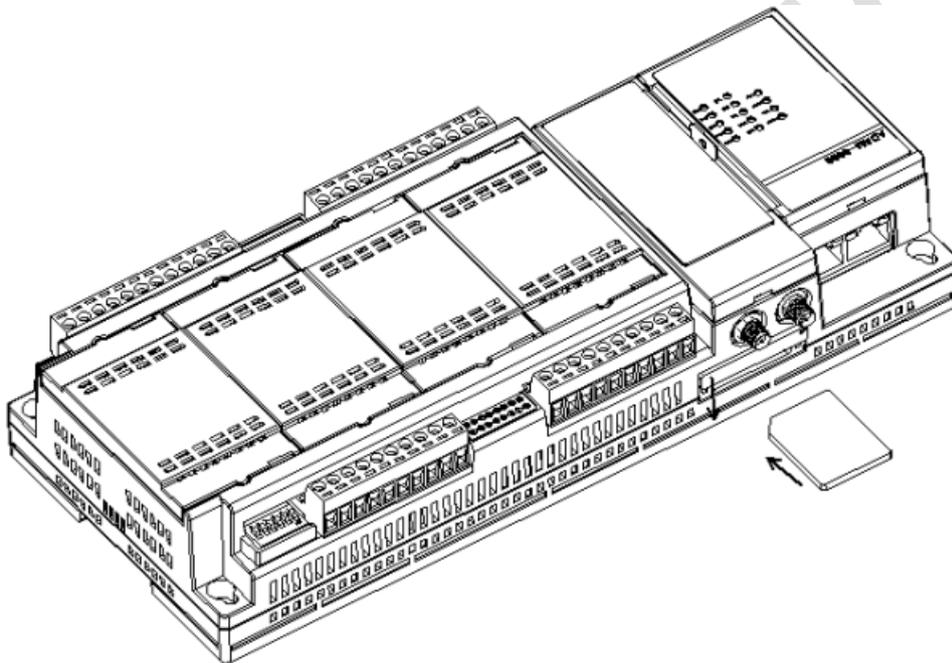
If user uses TagLink version 1.2.1 and previous version, he needs to log in root manually by clicking “Sign in” in the top right of the pane.

Option 2: ADAM-3600 Image Updating with SD Card

1. User shall rename the image file from bin format (*.bin) to zip format (*.zip).
2. Unzip the *.zip to the SD card directly.
3. Insert the SD card into ADAM-3600 slot.
4. Power on ADAM-3600 and it will automatically update image. After about 3 minutes, the process will be finished.
5. Power down ADAM-3600 and take the SD card out from the slot.

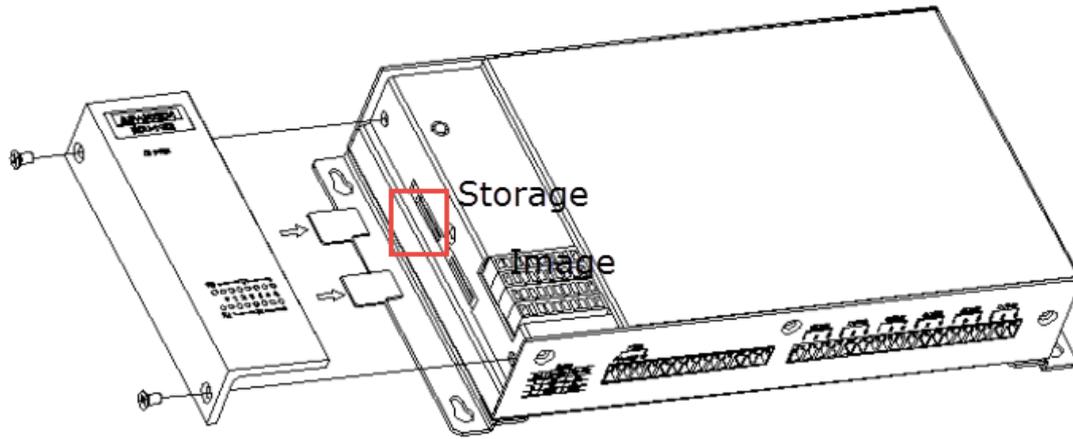
The position of SD card to update image indicated as below.

[ADAM-3600]



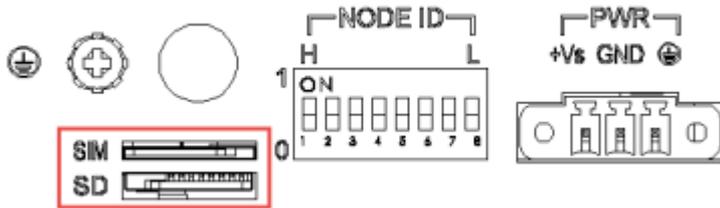
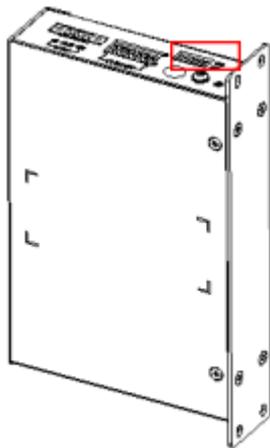
[ECU-1152]

The slot written “storage” is for storing data.
The slot written “image” carries the OS.
Please use the Storage slot for updating image.



[ECU-1251]

Please use the SD slot for updating image.



How to update the 2nd iRTU device with the same SD card?

After unzip the update image in SD card, you may see below files in SD card.

名稱	修改日期	類型	大小
ADAM3600_Linux_TagLink_2.1.1_Release_#666.zip	2018/1/16 上午 09:57	WinRAR ZIP 壓縮檔	116,274 KB
advup.txt	2018/1/9 下午 05:10	文字文件	1 KB
advupdate.txt	2018/1/9 下午 05:10	文字文件	1 KB
am335x-adam3600.dtb	2018/1/9 下午 05:00	DTB 檔案	35 KB
apps.tar.gz	2018/1/9 下午 05:10	WinRAR 壓縮檔	9,330 KB
checksum.md5	2018/1/9 下午 05:10	MD5 檔案	1 KB
manifest.xml	2018/1/9 下午 05:10	XML Document	7 KB
MLO	2018/1/9 下午 04:38	檔案	93 KB
ramdisk.gz	2018/1/9 下午 05:01	WinRAR 壓縮檔	5,096 KB
rootfs.tar.gz	2018/1/9 下午 05:00	WinRAR 壓縮檔	98,155 KB
u-boot.img	2018/1/9 下午 04:38	光碟映像檔	390 KB
uImage	2018/1/9 下午 05:00	檔案	4,175 KB

After plugging in ADAM-3600 and finishing updating image, the files in SD card would be as below.

名稱	修改日期	類型	大小
ADAM3600_Linux_TagLink_2.1.1_Release_#666.zip	2018/1/16 上午 09:57	WinRAR ZIP 壓縮檔	116,274 KB
advup.txt	2018/1/9 下午 05:10	文字文件	1 KB
am335x-adam3600.dtb	2018/1/9 下午 05:00	DTB 檔案	35 KB
apps.tar.gz	2018/1/9 下午 05:10	WinRAR 壓縮檔	9,330 KB
checksum.md5	2018/1/9 下午 05:10	MD5 檔案	1 KB
manifest.xml	2018/1/9 下午 05:10	XML Document	7 KB
MLO	2018/1/9 下午 04:38	檔案	93 KB
ramdisk.gz	2018/1/9 下午 05:01	WinRAR 壓縮檔	5,096 KB
rootfs.tar.gz	2018/1/9 下午 05:00	WinRAR 壓縮檔	98,155 KB
u-boot.img	2018/1/9 下午 04:38	光碟映像檔	390 KB
uImage	2018/1/9 下午 05:00	檔案	4,175 KB
update.log	2018/4/24 上午 11:08	文字文件	2 KB

For image v2.1.x and bellow version:

The file “advupdate.txt” is removed after updating. If you need to update to another ADAM-3600 device, please copy the “advup.txt” and rename it to “advupdate.txt”. Only when the SD card has the file “advupdate.txt” could automatically update.

For image v2.2.x and higher version:

After update an image into iRTU module through an SD card, there will be an “update.log” file in the SD card. Delete the file and the SD card can be used to upgrade image to another iRTU module again.

Troubleshooting:

- If you have trouble for SD card recognizing, you could use the command `# df` in the console.
- If the system detects the SD card as `/media/mmcblk1p1`, it is correct.
- If the system detects the SD card as `/media/mmcblk1`, it is wrong. Please use another SD card to try.