

Technical Note

TN# MCSTN 313
Rev# 1.0
Release Date : 2024/ 9 / 25

Category: Software
Support Model: ATC3540

Subject

How to flash multiple ATC devices at once

Introduction

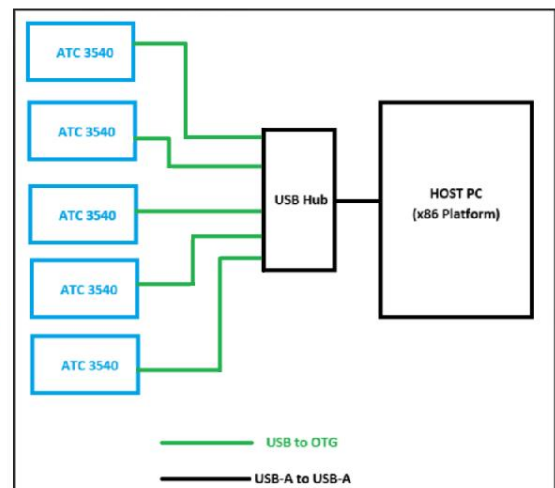
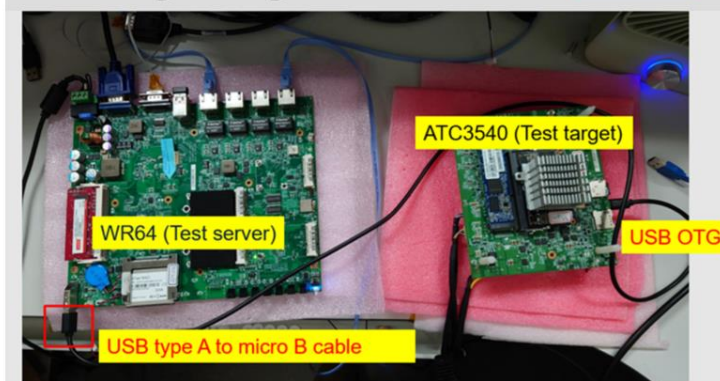
The steps of flash multiple ATC devices at once

Trouble Shooting Step-by-Step

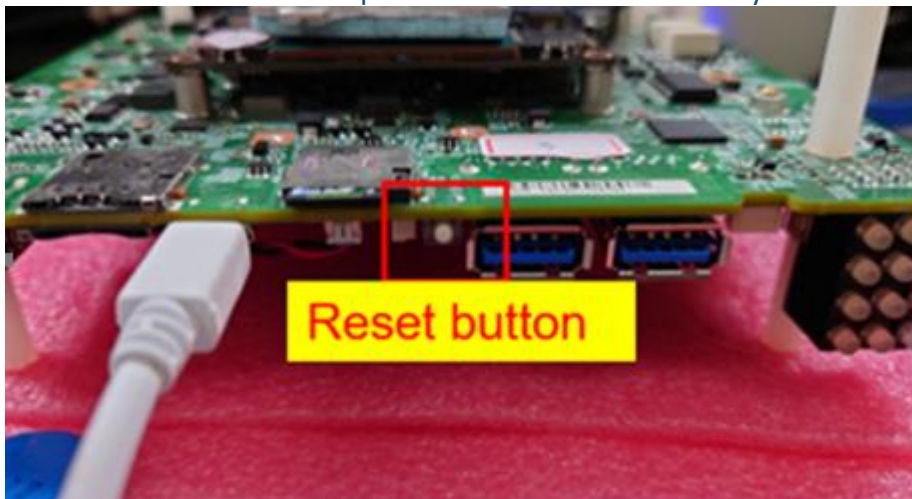
NOTED : This step only applies to flash image with Jetpack 5.0 ver. or above.

1. Connect test server(WR64) and test target (ATC3540) with USB cable.

Burning image to SOM and NVMe



2. Power on ATC3540 and press reset button immediately.



3. After 5 seconds, release reset button.

4. At the server terminal (WR64), use “lsusb” to check “NVIDIA Corp. APX” message

※ After using the lsusb command, you should see the following information (5 devices have successfully entered recovery mode)

```
al@al-VTC1020:~$ lsusb
Bus 002 Device 003: ID 0781:5591 SanDisk Corp. Ultra Flair
Bus 002 Device 002: ID 05e3:0626 Genesys Logic, Inc. USB3.1 Hub
Bus 002 Device 001: ID 1d6b:0003 Linux Foundation 3.0 root hub
Bus 001 Device 003: ID 0403:6011 Future Technology Devices International, Ltd FT
4232H Quad HS USB-UART/FIFO IC
Bus 001 Device 005: ID 1c4f:0002 SiGma Micro Keyboard TRACER Gamma Ivory
Bus 001 Device 004: ID 093a:2510 Pixart Imaging, Inc. Optical Mouse
Bus 001 Device 002: ID 05e3:0610 Genesys Logic, Inc. 4-port hub
Bus 001 Device 006: ID 0955:7223 NVIDIA Corp. APX
Bus 001 Device 006: ID 0955:7223 NVIDIA Corp. APX
Bus 001 Device 006: ID 0955:7223 NVIDIA Corp. APX
Bus 001 Device 006: ID 0955:7223 NVIDIA Corp. APX
Bus 001 Device 006: ID 0955:7223 NVIDIA Corp. APX
Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
al@al-VTC1020:~$
```

Burning :

1. Open the terminal in test server(WR64) and enter the unzipped folder of ATC3540_mfi_v2.1.0_ORIN_NX_16G.
2. Type "**sudo ./tools/kernel_flash/l4t_initrd_flash.sh --flash-only --massflash 5**" on the terminal to start burning.