Drive for better vision



OTA User Guide V1.1

Agenda

- Check Before Starting OTA
- OTA Upgrade Operations



Check Before Starting OTA

Check Before Starting OTA

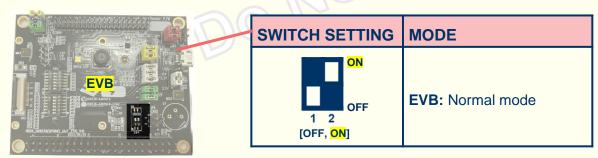
1. Does the EVB already been burned with any firmware?

- If do, the EVB can upgrade firmware through OTA.
- If not, the EVB CANNOT upgrade firmware through OTA.
 To use OTA, there must be any firmware on the EVB so that it can boot up correctly.

To learn more about burning firmware with PC tool, please refer to "2_EVK_and_PCTool_User_Guide_HX6538_AloT_EVB_QFN88".

2. Do the EVB and debug board already set to the normal mode?

- If not, two steps to set normal mode:
 - Turn off the EVB power.
 - Set the switches on EVB: SWITCH [1, 2] = [OFF, ON]









OTA Upgrade Operations (1/5)

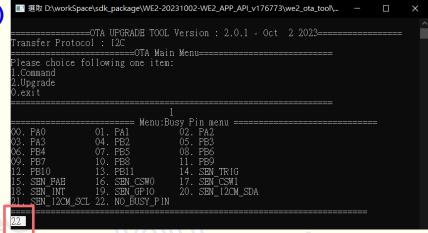
- Turn on the power of EVB
- Launch OTA tool (path: SDK_root/we2_ota_tool/ota.exe)
- Operate by following steps:
- Mey in "1" (1. I2c protocol)

Key in "1" (1. Command)

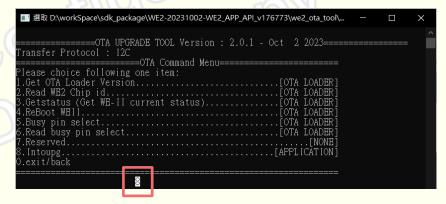


OTA Upgrade Operations (2/5)

3 Key in "22" (22. NO_BUSY_PIN)



4 Key in "8" (8. Intoupg)



Hint: If you also start a log monitor, the console of log monitor will show that:

```
© COMS:15200baud-TeaTerm VT

File Edit Setup Cgntrol Window Help

[MSG] cnd jd: 0x8

[MSG] payload len: 0x0

x lib 12ccomm validate checksum

2ayload len:0x0000, CRC val: 0x10f5, CRC cal:0x10f5

===12CC0MM CMO 0TA JUMP2UPG==

1st BL Build DATE=Aug 1 2023, 0x00010001

jump_addr=0x3401f000

Compiler Version: ARM CLANG, Clang 12.0.0 (ssh://ds-gerrit/armcompile
571dc92e0d3fb7bde2)

set IP_secure done

[WEZ OTA FIRWMARE(Sep 28 2023, 16:02:51)] Daemon Process

Event Handler
```



OTA Upgrade Operations (3/5)

⑤ Press any key

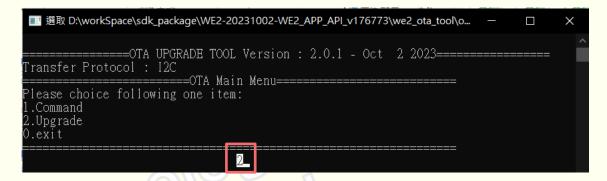
D:\workSpace\sdk_package\WE2-20231002-WE2_APP_API_v176773\we2_ota_tool\ota.exe ransfer Protocol : I2C lease choice following one item: .Getstatus (Get WE-II current status)......[OTA LOADER .Busy pin select.....[OTA LOADER] .exit/back Intoupg WE2 OTĀ BUSY PIN SELECT ress Enter key to continue..._

6 Key in "0" (0. exit/back)

OTA Upgrade Operations (4/5)

7 Key in "2"

(2. Upgrade)



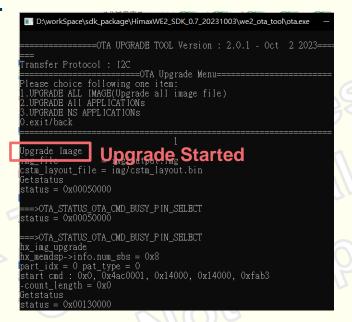
8 Key in "1"

(1. UPGRADE ALL IMAGE(Upgrade all image file))



OTA Upgrade Operations (5/5)

Wait the OTA upgrade...



OTA upgrade finished

```
D\workSpace\sdk_package\HimaxWE2_SDK_0.7_20231003\we2_ota_tool\ota.exe — X

status = 0x00120000

===>OTA_STATUS_OTA_RECEIVE_UPGRADE_DATA_DONE

Burn flash successs
Getstatus
status = 0x000c0000

===>OTA_STATUS_OTA_LOADER_IDLE
status = 0x000c0000

===>OTA_STATUS_OTA_LOADER_IDLE
Getstatus
status = 0x000c0000

===>OTA_STATUS_OTA_LOADER_IDLE
(status = 0x000c0000)

===>OTA_STATUS_OTA_LOADER_IDLE
(status = 0x000c0000)

===>OTA_STATUS_OTA_LOADER_IDLE
(status = 0x000c0000)

---OTA_OTATUS_OTA_IOADER_IDLE
ReBoot WE2_Upgrade Success
Fress Enter Key to continue...
```

