IEI Firmware Update Utility

Ver. 1.1.0

User Guide

Note ：

此文件是給 BIOS 工程師使用。

Feature:

此程式主要功能，使用於 Intel 平台，是讀取主板上 ME/TXE 版本後，根據版本與使用者決定，更新 BIOS + ME/TXE 韌體或是只有 BIOS。

Usage

1. 複製 "Go.nsh"(ME)、"Go2.nsh"(TXE)*、"IFWU.efi"、"How to Flash BIOS in UEFI Shell.pdf"、"MEClose.nsh"、"EFI 資料夾"，至你的 BIOS package。
   *(TXE) 複製完成後，請將名稱改回 Go.nsh
2. 下載或尋找對應的 MEInfo.efi(TXELInfo.efi) 複製到你的 BIOS package*。
   *ME，在 1.1.0 版本之後，程式提供共 3 種方式讀取板子 BIOS 的 ME 版本。
   *TXE，在 1.1.0 版本仍維持使用 TXELInfo 讀取方式。
3. 參照你 BIOS 目前的狀態，修改 Go.nsh。
   ME:

```
@echo -off
SET PROJECT Z699AR12.BIN    #Add your BIOS file name e.g.BXXARXX.BIN
SET ECOverride 1            #Support EC ME override?
SET SaveLanMAC 0            #Support SaveLanMAC?
SET ReadBoard  1            #Read Board ME version by 1: BIOS 2: IntelLib 3: MEInfo
SET ReadFile   1            #Read File ME version by 0: Manual 1: FileTag

if %ReadFile% == 0 then
SET MEversion 15.40.10.2252 #Enter your ME version for Manual function
endif
```

   TXE:

```
@echo -off
SET PROJECT B600AR10        #Add your BIOS file name e.g.BXXARXX.BIN
SET MEversion 15.0.10.1447  #Add your ME version e.g.15.0.10.1448
SET ECOverride 1            #Support EC ME override?
SET SaveLanMAC 1            #Support SaveLanMAC?
SET APLMODE    0            #Is ApolloLake platform? No parm /B
```

4. 如果更新上有問題，可以使用 IFWU.efi 命令進行除錯。

IFWU.efi Usage

IFWU.efi [-H] [-VER] [-COLDRST] [-ECOVRPIN] [-ECOVRAUTO] [-MBMEVER]
[-MBTXEVER] [-CHKMEVER] [-CHKTXEVER]

Option	Description
-H	Displays the list of command line options supported by IFWU tool.
-VER	Shows the version of the tools.
-COLDRST	Fill in 0x0E in IO CF9.
-ECOVRPIN	Change the pin status of ME/TXE override in EC API “” (empty) -> Change to the opposite of FW Override status -ON -> Turn on FW Override -OFF -> Turn off FW Override
-ECOVRAUTO	Automatically execute update steps with IEI EC FW override and GO.nsh script.
-MBMEVER	Read ME FW version of Board. (Option) -RBXX - Read ME version on board by different function. (XX = 01 -> 03) e.g. -RB01
-MBTXEVER	Read TXE FW version of Board.
-CHKMEVER	Need Parameters after the command. -N -> It is followed by FW version number. e.g. -N 12.0.64.1551 -F -> It is followed by BIOS bin file e.g. -F B600AR10.BIN After checking the ME FW version of the board and the input value, according to the result, the user will be asked for the decision to return the value. Return value: 0x40 - Update with ME FW. 0x45 - Update without MW FW. (Option)

	-RBXX - Read ME version on board by different function. (XX = 01 -> 03) e.g. -F B600AR10.BIN -RB01
-CHKTXEVER	Need Parameters after the command. -N -> It is followed by FW version number. e.g. -N 12.0.64.1551 After checking the TXE FW version of the board and the input value, according to the result, the user will be asked for the decision to return the value. Return value: 0x40 - Update with TXE FW. 0x45 - Update without TXE FW.