

How to update BIOS for Q25NV5 under DOS

PUBLISHED FROM GIGABYTE

(By using BIOS Flasher tool to make a bootable USB disk)

[HOW-TO]

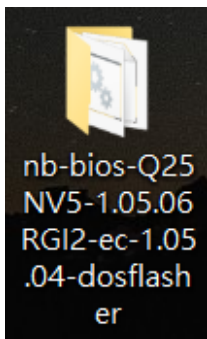
✓ You will learn how to update BIOS for Q25NV5 under DOS correctly.

[Tool kit]

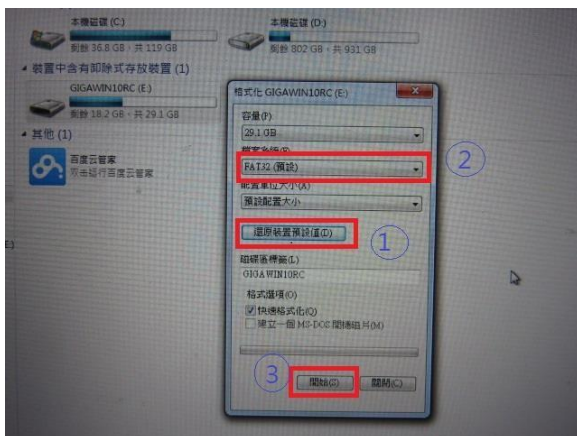
An empty or formatted USB disk

[STEP – Download and update BIOS for Q25NV5]

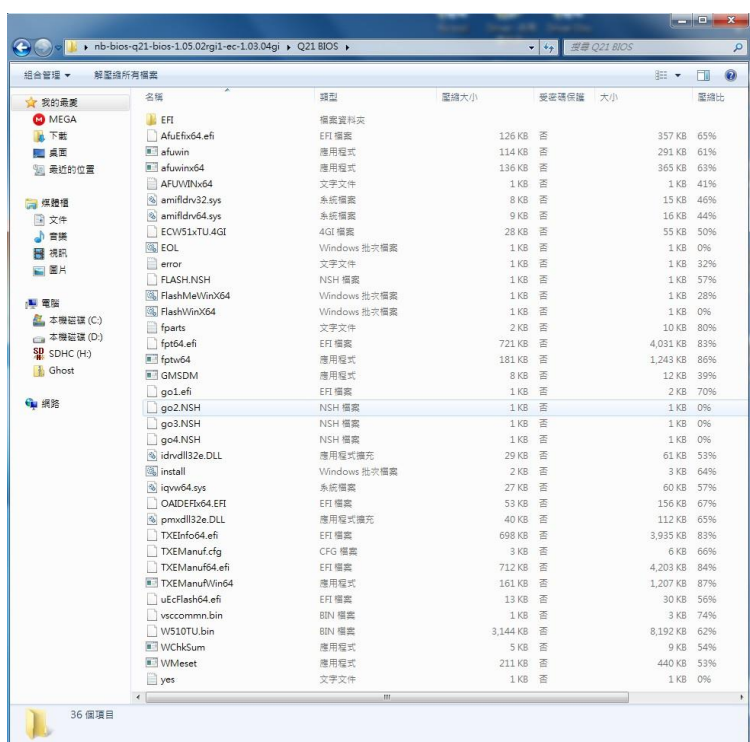
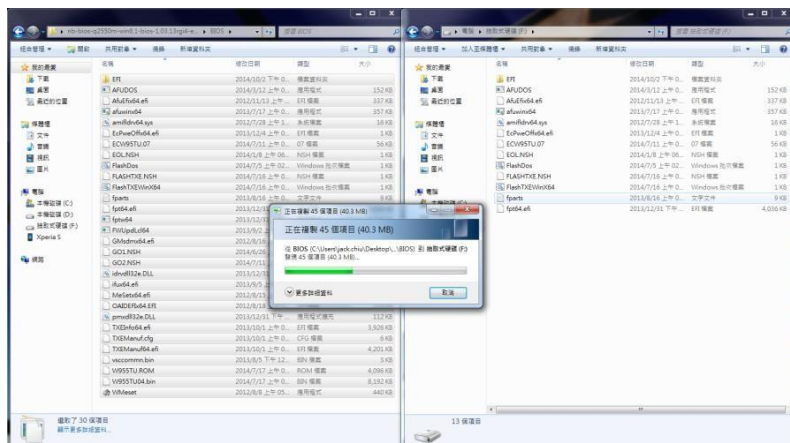
- 1.Connect with power adapter.(Make sure the battery power is greater than 30%)
- 2.Please download the latest version BIOS file from GIGABYTE product page, and do double-click to extract it.



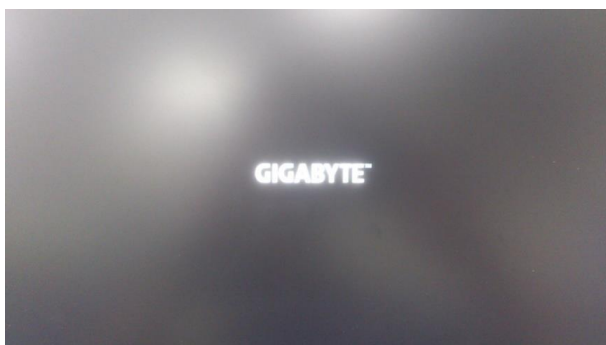
3.Format your USB removable disk to FAT32(default)



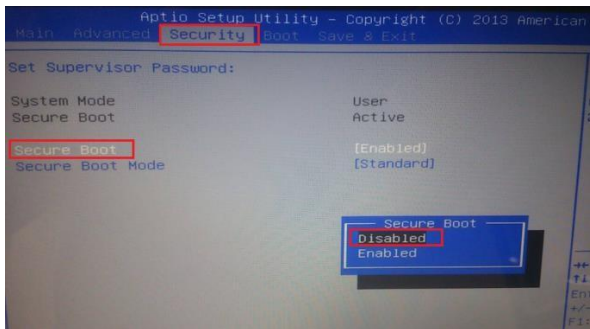
4. Copy all files of BIOS folder and paste it to formatted USB drive.



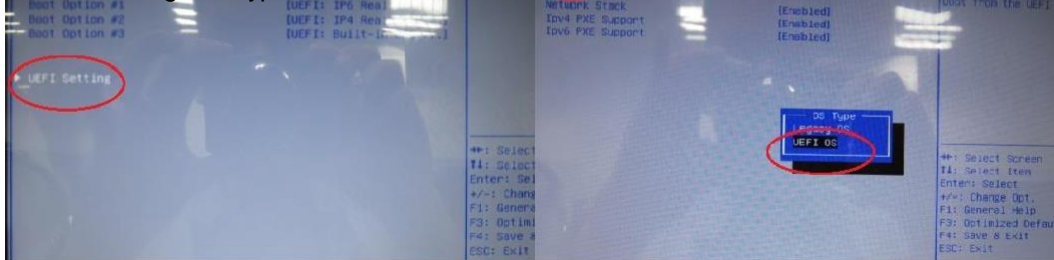
5. Press power on button and press F2 in GIGABYTE post screen into BIOS setting interface.



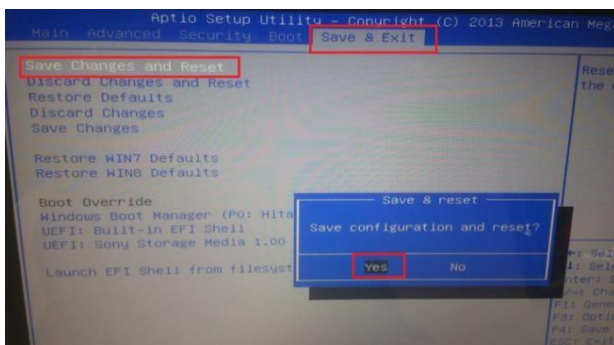
6. Set Secure Boot to be Disabled in Security label.



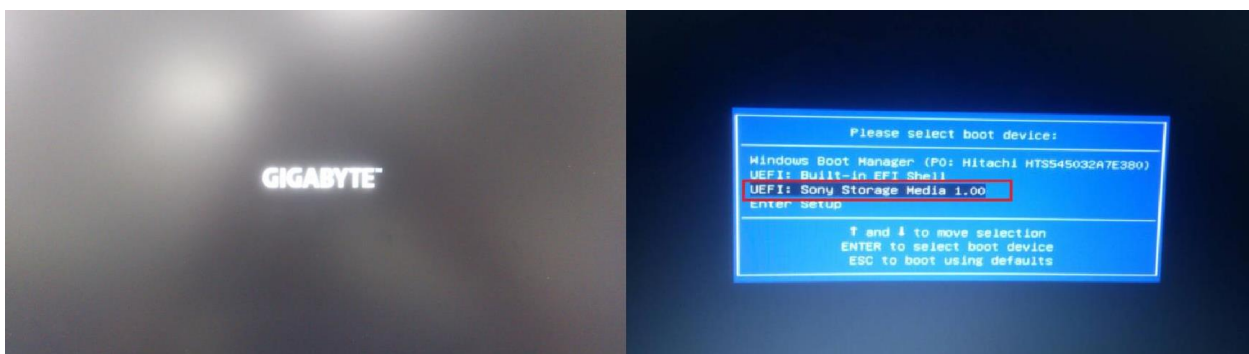
7. UEFI Setting OS Type set to "UEFI OS" in Boot label.



8. Press Save changes and Reset to reboot it.



9. Press power on button and press F12 in GIGABYTE post screen then choose your USB removable disk to boot on.



10. EFI Shell marked your Removable HardDisk be fsX (depends on your totally disk partitions. In Example, EFI Shell marks it be fs2) Please input command “fs2” then press Enter.

```
EFI Shell version 2.40 [5.11]
Current running mode 1.1.2
Device mapping table
fs0 :HardDisk - Alias hd10b blk0
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)/HD(Part1,Sig6812DA03)
fs1 :HardDisk - Alias hd10c blk1
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)/HD(Part2,Sig6812DA03)
fs2 :Removable HardDisk - Alias hd7q0b blk2
      Acpi(PNP0A03,0)/Pci(14|0)/Usb(10,0)/HD(Part1,Sig9EDCF95E)
blk0 :HardDisk - Alias hd10b fs0
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)/HD(Part1,Sig6812DA03)
blk1 :HardDisk - Alias hd10c fs1
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)/HD(Part2,Sig6812DA03)
blk2 :Removable HardDisk - Alias hd7q0b fs2
      Acpi(PNP0A03,0)/Pci(14|0)/Usb(10,0)/HD(Part1,Sig9EDCF95E)
blk3 :BlockDevice - Alias (null)
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)
blk4 :BlockDevice - Alias (null)
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(3,FFFF,0)
blk5 :Removable BlockDevice - Alias (null)
      Acpi(PNP0A03,0)/Pci(14|0)/Usb(10,0)

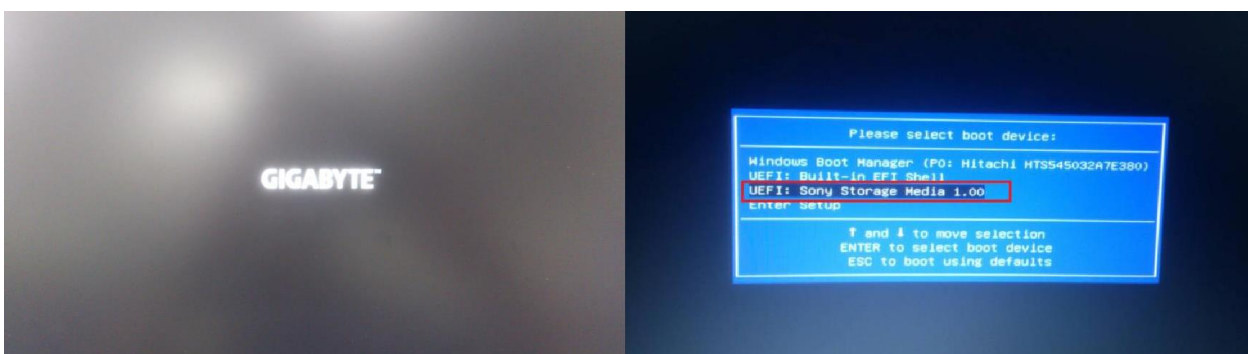
Shell> fs2:_
```

11. Input command “go1” to Enable ME for update (After update completed, OS will do once reboot for next step.)

```
Current running mode 1.1.2
Device mapping table
fs0 :HardDisk - Alias hd10b blk0
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)/HD(Part1,Sig6812DA03)
fs1 :HardDisk - Alias hd10c blk1
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)/HD(Part2,Sig6812DA03)
fs2 :Removable HardDisk - Alias hd7q0b blk2
      Acpi(PNP0A03,0)/Pci(14|0)/Usb(10,0)/HD(Part1,Sig9EDCF95E)
blk0 :HardDisk - Alias hd10b fs0
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)/HD(Part1,Sig6812DA03)
blk1 :HardDisk - Alias hd10c fs1
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)/HD(Part2,Sig6812DA03)
blk2 :Removable HardDisk - Alias hd7q0b fs2
      Acpi(PNP0A03,0)/Pci(14|0)/Usb(10,0)/HD(Part1,Sig9EDCF95E)
blk3 :BlockDevice - Alias (null)
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)
blk4 :BlockDevice - Alias (null)
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(3,FFFF,0)
blk5 :Removable BlockDevice - Alias (null)
      Acpi(PNP0A03,0)/Pci(14|0)/Usb(10,0)

Shell> fs2:
fs2:> go1_
```

12. Press F12 in GIGABYTE post screen then choose your USB removable disk to boot on.



13. Input command "fs2:" then press Enter.

```

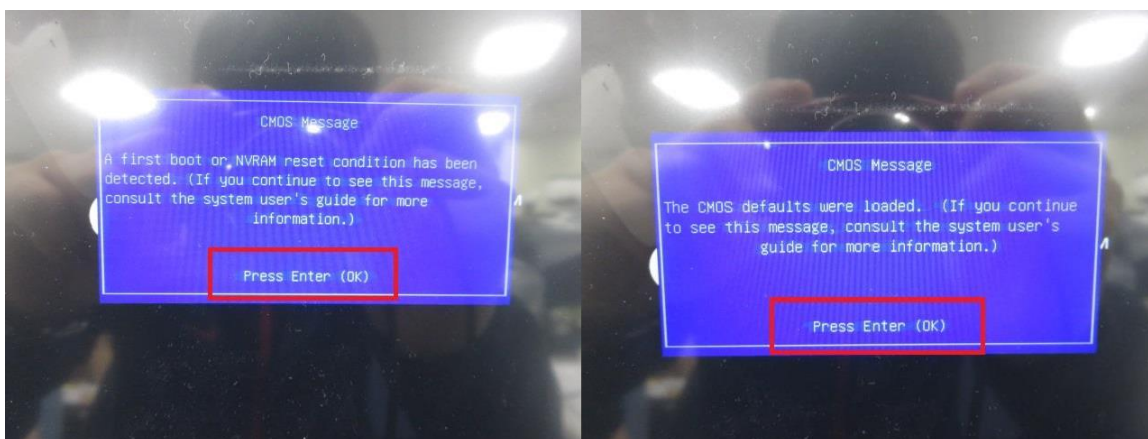
EFI Shell version 2.40 [5.11]
Current running mode 1.1.2
Device mapping table
fs0 :HardDisk - Alias hd10b blk0
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)/HD(Part1,Sig6812DA03)
fs1 :HardDisk - Alias hd10c blk1
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)/HD(Part2,Sig6812DA03)
fs2 :Removable HardDisk - Alias hd7q0b blk2
      Acpi(PNP0A03,0)/Pci(14|0)/Usb(10,0)/HD(Part1,Sig9EDCF95E)
blk0 :HardDisk - Alias hd10b fs0
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)/HD(Part1,Sig6812DA03)
blk1 :HardDisk - Alias hd10c fs1
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)/HD(Part2,Sig6812DA03)
blk2 :Removable HardDisk - Alias hd7q0b fs2
      Acpi(PNP0A03,0)/Pci(14|0)/Usb(10,0)/HD(Part1,Sig9EDCF95E)
blk3 :BlockDevice - Alias (null)
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)
blk4 :BlockDevice - Alias (null)
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(3,FFFF,0)
blk5 :Removable BlockDevice - Alias (null)
      Acpi(PNP0A03,0)/Pci(14|0)/Usb(10,0)

Shell> fs2:
  
```

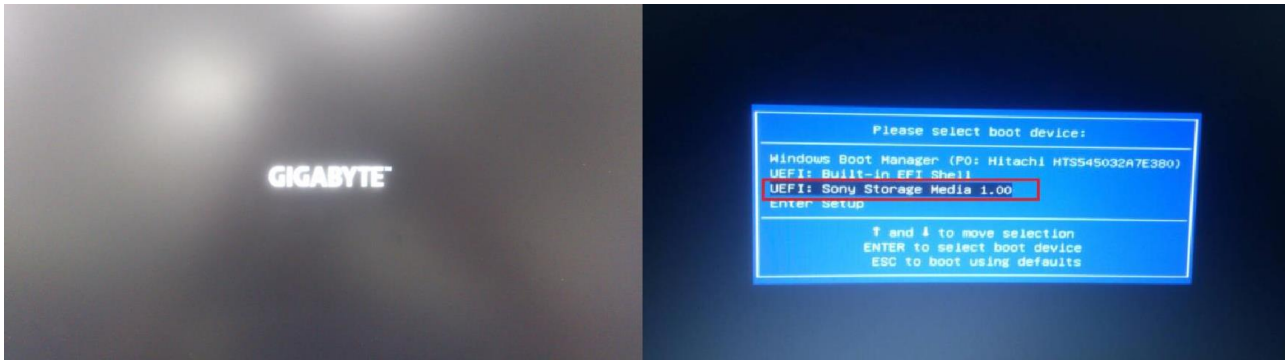
Input command "go2" to BIOS & ME update.



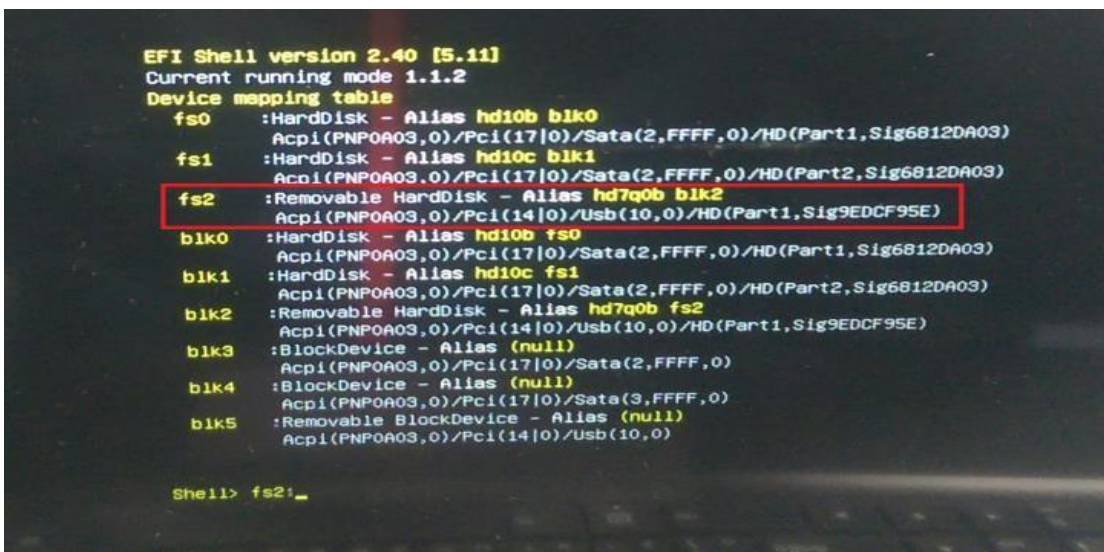
14. After update completed, OS will get to shutdown. Power on again will show up CMOS Message then press Enter two times to get reboot.



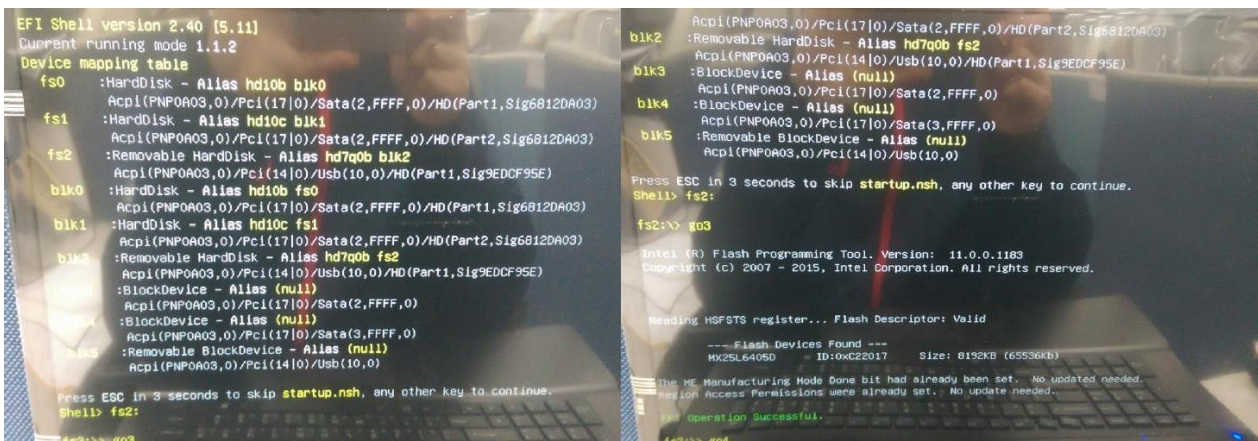
15. Press power on button and press F12 in GIGABYTE post screen then choose your USB removable disk to boot on.



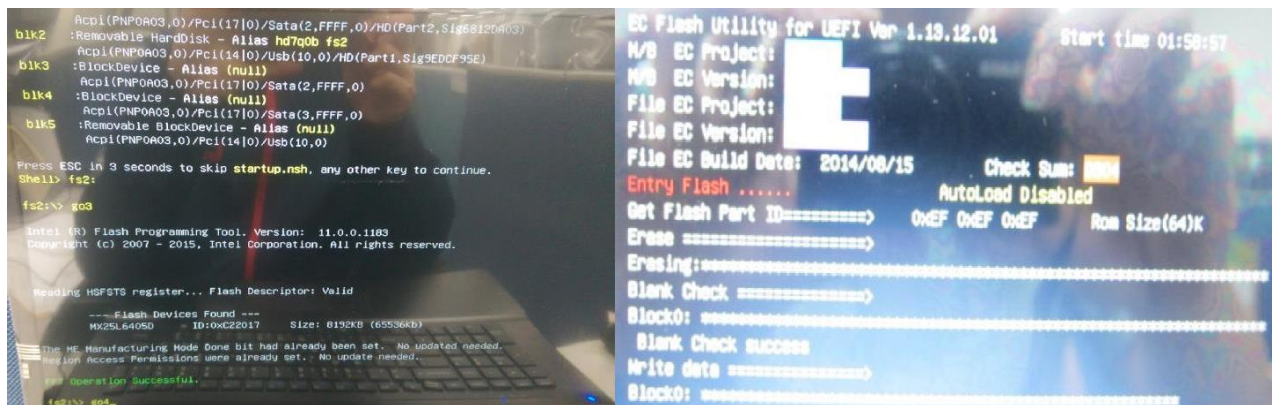
16. Input command "fs2:" then press Enter.



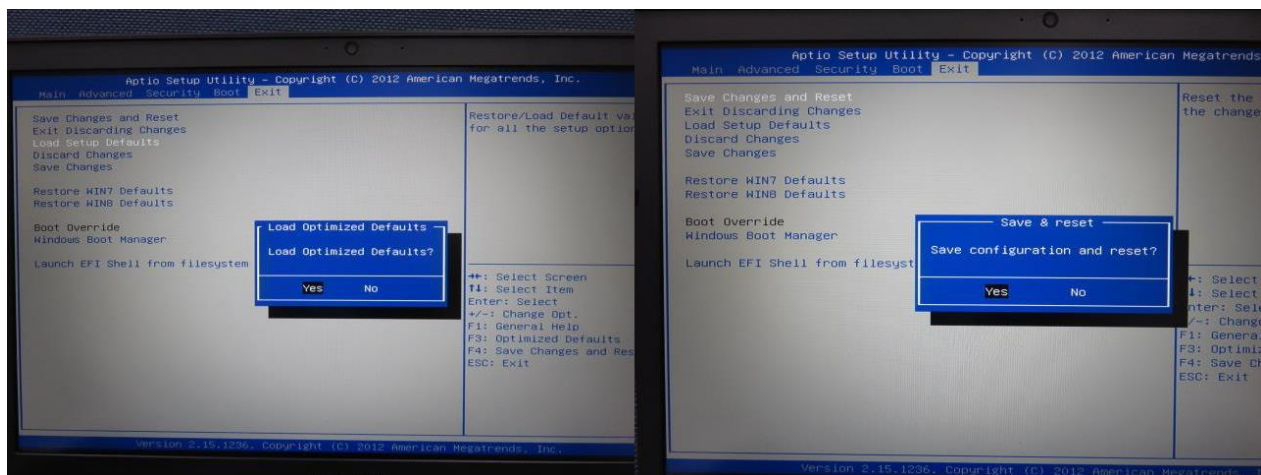
17. Input command "go3" to Enable EC for update.



18. Input command "go4" to EC update.



19. After BIOS/EC update completed, Press F2 into BIOS setting and set to Optimized default value.



About GIGABYTE *Upgrade Your Life*

GIGABYTE, headquartered in Taipei, Taiwan, is known as a global leading brand in the IT industry, with employees and business channels in almost every country. Founded in 1986, GIGABYTE started as a research and development team and has since taken the lead in the world's motherboard market. On top of motherboards and graphics accelerators, GIGABYTE further expanded its product portfolio to include notebook and desktop PCs, digital home entertainment appliances, networking servers, communications, mobile and handheld devices, servicing every facet of people's lives at home or business. Everyday GIGABYTE aims to "Upgrade Your Life" with the most innovative designs and impeccable quality and services. Visit www.gigabyte.com for more information.

於 DOS 下更新 Q25NV5 的 BIOS

PUBLISHED FROM GIGABYTE

【目標】

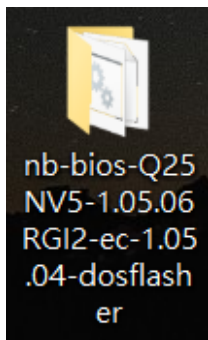
- ✓ 於 DOS 下正確地更新 Q25NV5 的 BIOS.

【所需工具】一個空的或者格式

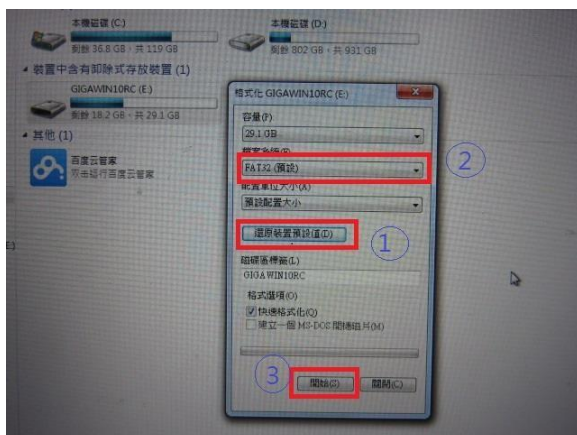
化過的 USB 磁碟

【更新步驟 - 下載並刷新 Q25NV5 的 BIOS】

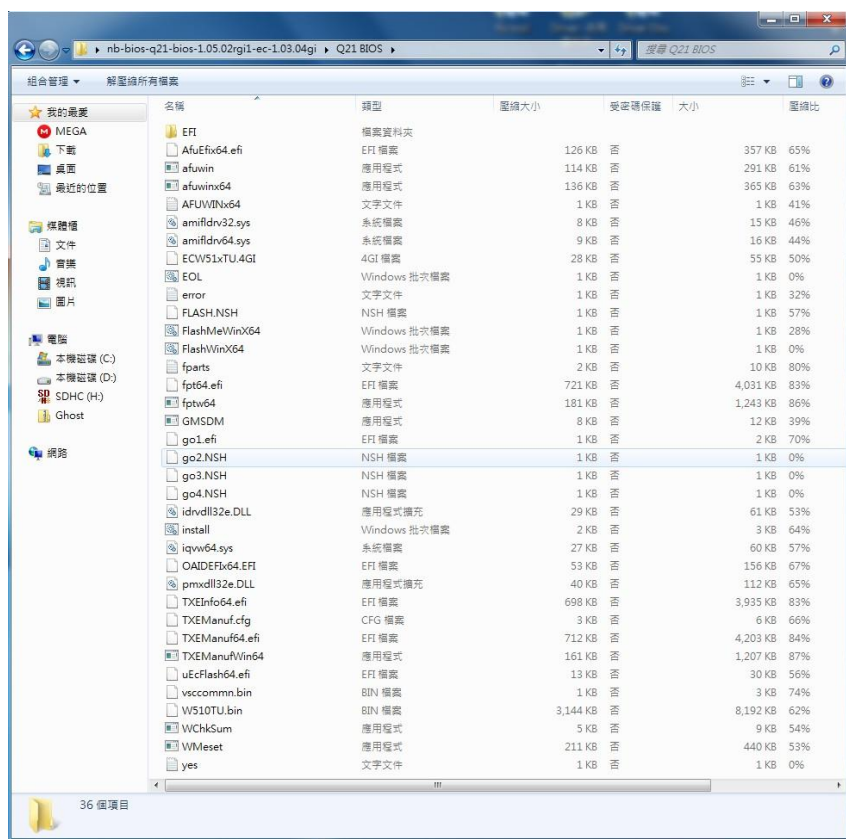
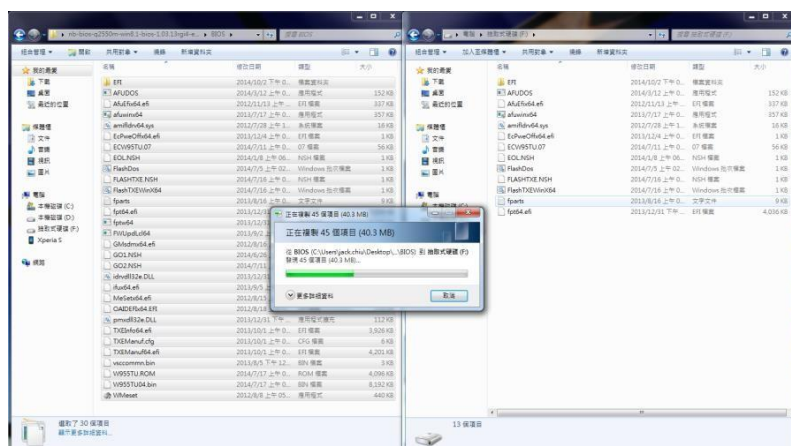
- 1.將電源插頭插入電源孔並確認電力由變壓整流器供電(確認電池電量大於 30%).
- 2.從技嘉產品網頁下載最新版的 BIOS 將壓縮檔並雙擊解壓縮該檔.



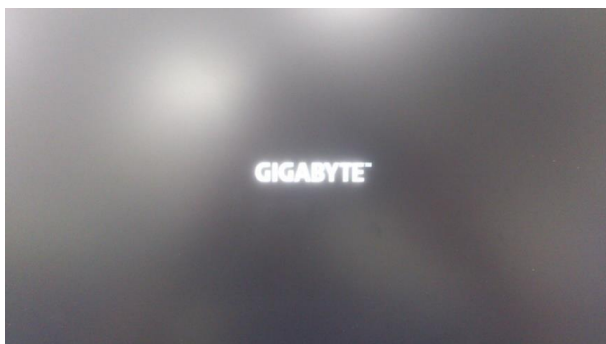
- 3.需要將隨身碟格式化為 **FAT32(預設)**。



4. 將 BIOS 資料夾的檔案移至已格式化的隨身碟。



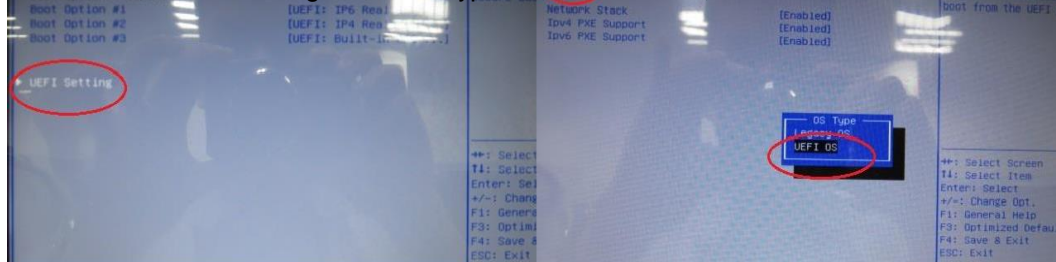
5. 按下電源鍵開機並在 POST 畫面按 F2 鍵進入 BIOS Setup Utility.



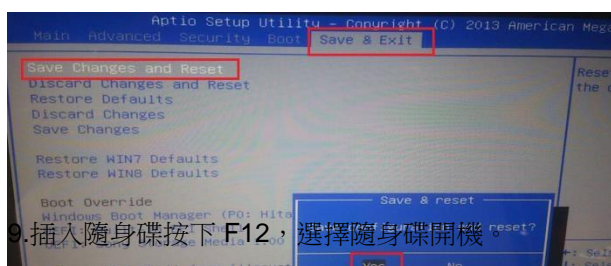
6. Security 選項中的 Secure Boot 選擇 Disabled 按 Enter。



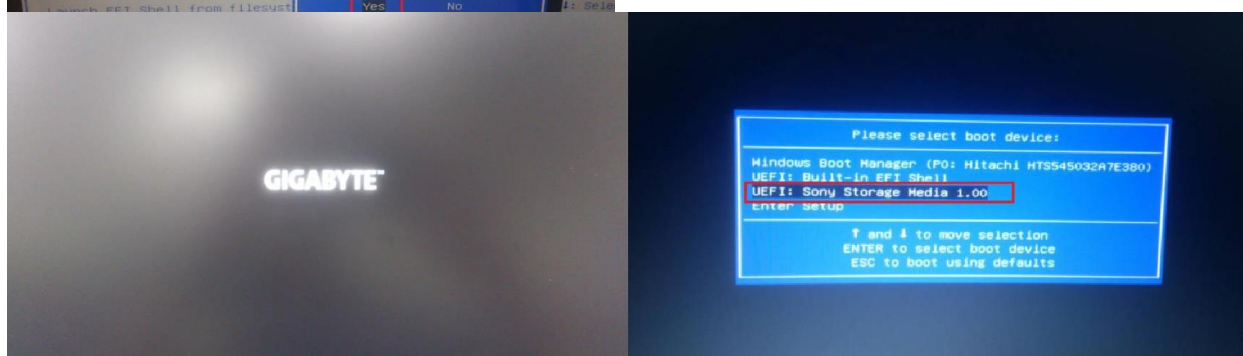
7. Boot 選項 UEFI setting 選擇 OS Type 選擇 UEFI OS 按 Enter。



8. Save & Exit 選項 Save Changes and Reset 選擇 Yes 按 Enter。



9. 插入隨身碟按下 F12，選擇隨身碟開機



10.磁盤分割不同輸入不同 fs，選擇為隨身碟(Removable Hard Disk)，紅色框標記處，輸入 fs2: 後按 Enter。

```

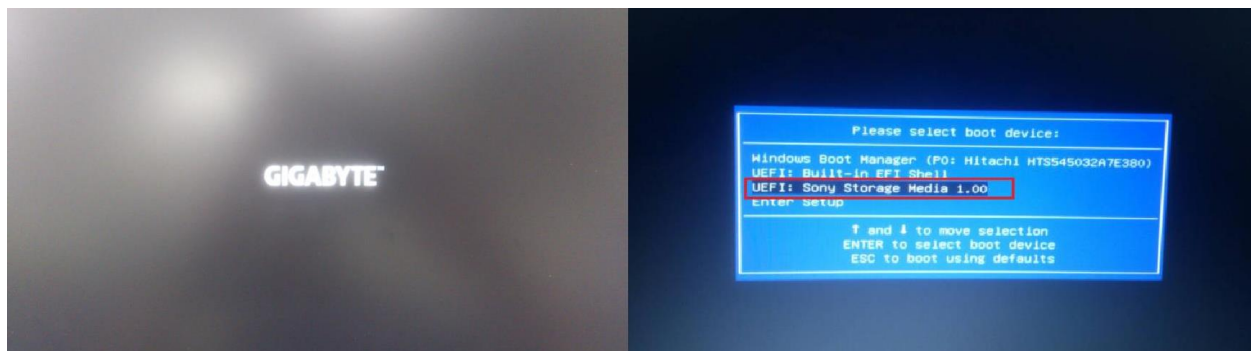
EFI Shell version 2.40 [5.11]
Current running mode 1.1.2
Device mapping table
fs0 :HardDisk - Alias hd10b blk0
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)/HD(Part1,Sig6812DA03)
fs1 :HardDisk - Alias hd10c blk1
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)/HD(Part2,Sig6812DA03)
fs2 :Removable HardDisk - Alias hd7q0b blk2
      Acpi(PNP0A03,0)/Pci(14|0)/Usb(10,0)/HD(Part1,Sig9EDCF95E)
blk0 :HardDisk - Alias hd10b fs0
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)/HD(Part1,Sig6812DA03)
blk1 :HardDisk - Alias hd10c fs1
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)/HD(Part2,Sig6812DA03)
blk2 :Removable HardDisk - Alias hd7q0b fs2
      Acpi(PNP0A03,0)/Pci(14|0)/Usb(10,0)/HD(Part1,Sig9EDCF95E)
blk3 :BlockDevice - Alias (null)
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)
blk4 :BlockDevice - Alias (null)
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(3,FFFF,0)
blk5 :Removable BlockDevice - Alias (null)
      Acpi(PNP0A03,0)/Pci(14|0)/Usb(10,0)

Shell> fs2:_
fs2:\> go1_

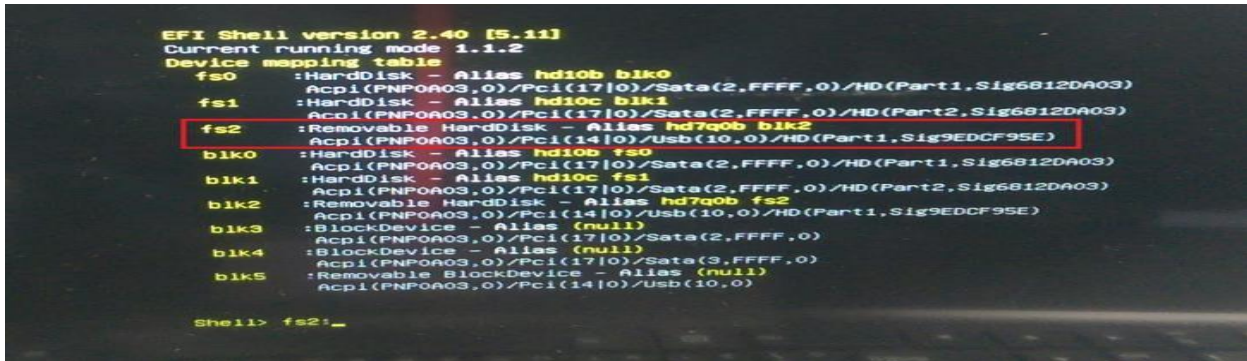
```

11.輸入 go1 按 Enter

12.按下電源鍵開機並在 POST 畫面按 F12，選擇隨身碟開機。



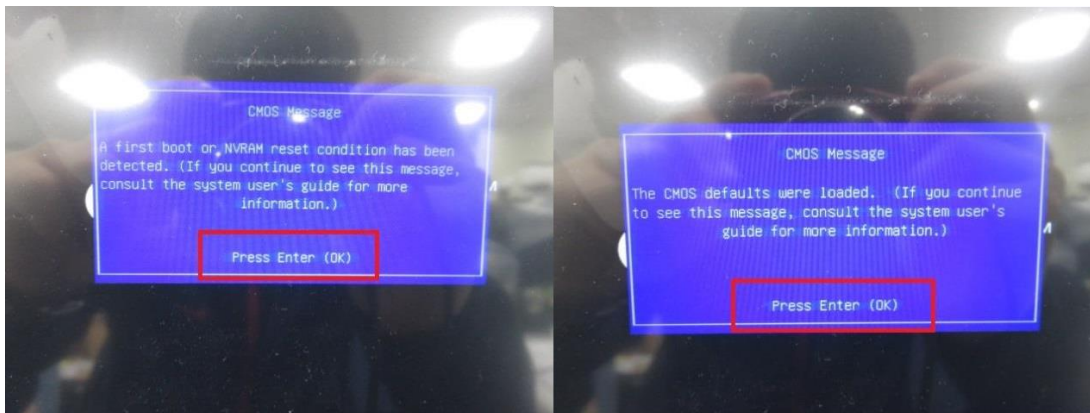
13.輸入 fs2: 後按 Enter。



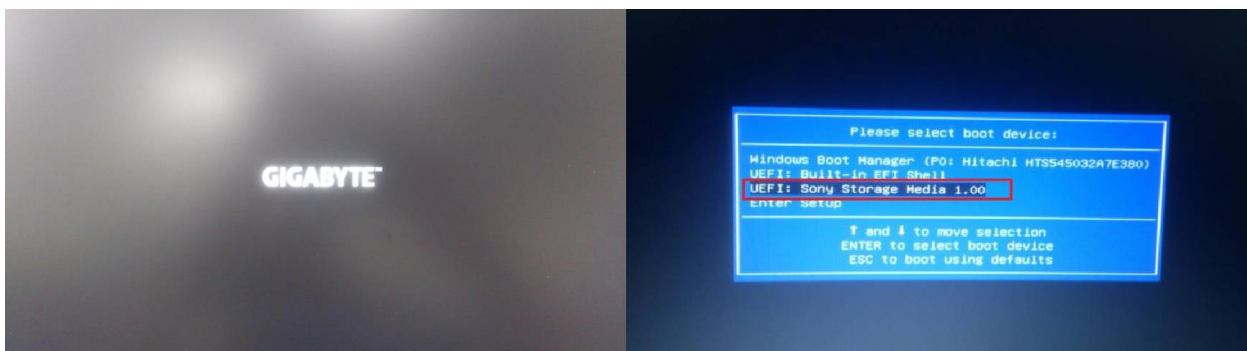
輸入 go2 按 Enter 刷新 ME 及 BIOS



14.刷新完成後，自動關機，開機顯示 CMOS Message 按兩次自動重新啟動



15.按下電源鍵開機並在 POST 畫面按 F12，選擇隨身碟開機。



16.輸入 fs2: 後按 Enter。

```
EFI Shell version 2.40 [5.11]
Current running mode 1.1.2
Device mapping table
fs0 :HardDisk - Alias hdi0b blk0
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)/HD(Part1,Sig6812DA03)
fs1 :HardDisk - Alias hdi0c blk1
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)/HD(Part2,Sig6812DA03)
fs2 :Removable HardDisk - Alias hd7q0b blk2
      Acpi(PNP0A03,0)/Pci(14|0)/Usb(10,0)/HD(Part1,Sig9EDCF95E)
blk0 :HardDisk - Alias hdi0b fs0
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)/HD(Part1,Sig6812DA03)
blk1 :HardDisk - Alias hdi0c fs1
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)/HD(Part2,Sig6812DA03)
blk2 :Removable HardDisk - Alias hd7q0b fs2
      Acpi(PNP0A03,0)/Pci(14|0)/Usb(10,0)/HD(Part1,Sig9EDCF95E)
blk3 :BlockDevice - Alias (null)
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)
blk4 :BlockDevice - Alias (null)
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(3,FFFF,0)
blk5 :Removable BlockDevice - Alias (null)
      Acpi(PNP0A03,0)/Pci(14|0)/Usb(10,0)

Shell> fs2: _
```

17.輸入 go3 按 Enter 釋放 EC。

```
EFI Shell version 2.40 [5.11]
Current running mode 1.1.2
Device mapping table
fs0 :HardDisk - Alias hdi0b blk0
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)/HD(Part1,Sig6812DA03)
fs1 :HardDisk - Alias hdi0c blk1
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)/HD(Part2,Sig6812DA03)
fs2 :Removable HardDisk - Alias hd7q0b blk2
      Acpi(PNP0A03,0)/Pci(14|0)/Usb(10,0)/HD(Part1,Sig9EDCF95E)
blk0 :HardDisk - Alias hdi0b fs0
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)/HD(Part1,Sig6812DA03)
blk1 :HardDisk - Alias hdi0c fs1
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)/HD(Part2,Sig6812DA03)
blk2 :Removable HardDisk - Alias hd7q0b fs2
      Acpi(PNP0A03,0)/Pci(14|0)/Usb(10,0)/HD(Part1,Sig9EDCF95E)
blk3 :BlockDevice - Alias (null)
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)
blk4 :BlockDevice - Alias (null)
      Acpi(PNP0A03,0)/Pci(17|0)/Sata(3,FFFF,0)
blk5 :Removable BlockDevice - Alias (null)
      Acpi(PNP0A03,0)/Pci(14|0)/Usb(10,0)

Press ESC in 3 seconds to skip startup.nsh, any other key to continue.
Shell> fs2:
fs2:\> go3

Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)/HD(Part2,Sig6812DA03)
:Removable HardDisk - Alias hd7q0b fs2
Acpi(PNP0A03,0)/Pci(14|0)/Usb(10,0)/HD(Part1,Sig9EDCF95E)
:BlockDevice - Alias (null)
Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)
:BlockDevice - Alias (null)
Acpi(PNP0A03,0)/Pci(17|0)/Sata(3,FFFF,0)
:Removable BlockDevice - Alias (null)
Acpi(PNP0A03,0)/Pci(14|0)/Usb(10,0)

Press ESC in 3 seconds to skip startup.nsh, any other key to continue.
Shell> fs2:
fs2:\> go3

Intel (R) Flash Programming Tool. Version: 11.0.0.1183
Copyright (c) 2007 - 2015, Intel Corporation. All rights reserved.

Reading HSFSTS register... Flash Descriptor: Valid

--- Flash Devices Found ---
MX25L6405D ID:0xC22017 Size: 8192KB (65536KB)

The ME Manufacturing Mode Done bit had already been set. No update needed.
Region Access Permissions were already set. No update needed.

Flash operation Successful.

fs2:\> go4
```

18.輸入 go4 按 Enter 刷新 EC。

```
Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)/HD(Part2,Sig6812DA03)
:Removable HardDisk - Alias hd7q0b fs2
Acpi(PNP0A03,0)/Pci(14|0)/Usb(10,0)/HD(Part1,Sig9EDCF95E)
:BlockDevice - Alias (null)
Acpi(PNP0A03,0)/Pci(17|0)/Sata(2,FFFF,0)
:BlockDevice - Alias (null)
Acpi(PNP0A03,0)/Pci(17|0)/Sata(3,FFFF,0)
:Removable BlockDevice - Alias (null)
Acpi(PNP0A03,0)/Pci(14|0)/Usb(10,0)

Press ESC in 3 seconds to skip startup.nsh, any other key to continue.
Shell> fs2:
fs2:\> go3

Intel (R) Flash Programming Tool. Version: 11.0.0.1183
Copyright (c) 2007 - 2015, Intel Corporation. All rights reserved.

Reading HSFSTS register... Flash Descriptor: Valid

--- Flash Devices Found ---
MX25L6405D ID:0xC22017 Size: 8192KB (65536KB)

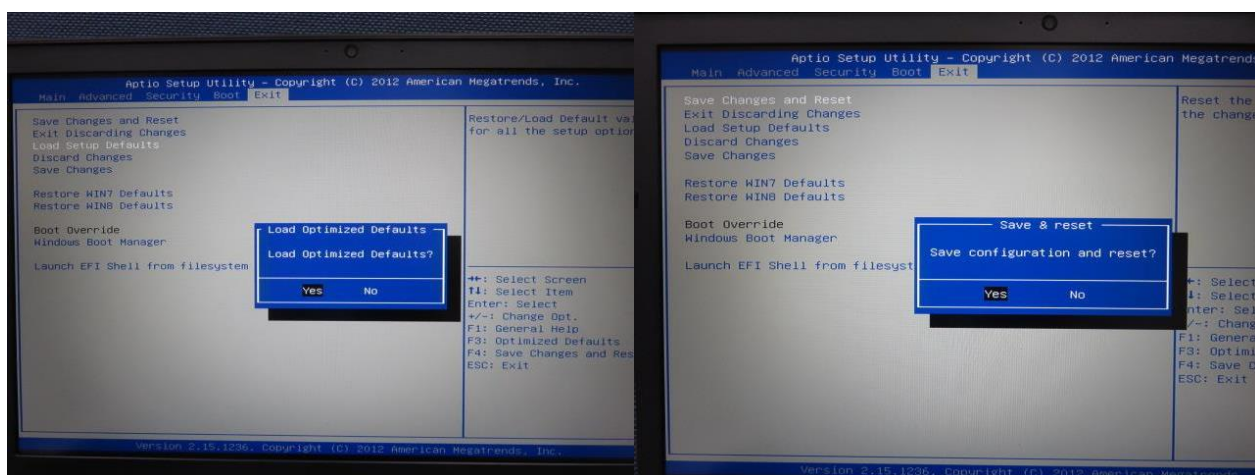
The ME Manufacturing Mode Done bit had already been set. No update needed.
Region Access Permissions were already set. No update needed.

Flash operation Successful.

fs2:\> go4

EC Flash Utility for UEFI Ver 1.13.12.01 Start time 01:58:57
M/B EC Project:
M/B EC Version:
File EC Project:
File EC Version:
File EC Build Date: 2014/08/15 Check Sum:
Entry Flash ..... AutoLoad Disabled
Get Flash Part ID=====> 0x0F 0x0F 0x0F Rom Size(64)K
Erase =====>
Erasing:=====
Blank Check =====>
Block0: =====
Blank Check success
Write data =====>
Block0: =====
```

19. BIOS/EC 刷新完畢後，進 F2 BIOS 設定選項返回原來設定值。



About GIGABYTE *Upgrade Your Life*

GIGABYTE, headquartered in Taipei, Taiwan, is known as a global leading brand in the IT industry, with employees and **business** channels in almost every country. Founded in 1986, GIGABYTE started as a research and development team and has since taken the lead in the world's motherboard market. On top of motherboards and graphics accelerators, GIGABYTE further expanded its product portfolio to include notebook and desktop PCs, digital home entertainment appliances, networking servers, communications, mobile and handheld devices, servicing every facet of people's lives at home or business. Everyday GIGABYTE aims to "Upgrade Your Life" with the most innovative designs and impeccable quality and services. Visit www.gigabyte.com for more information.