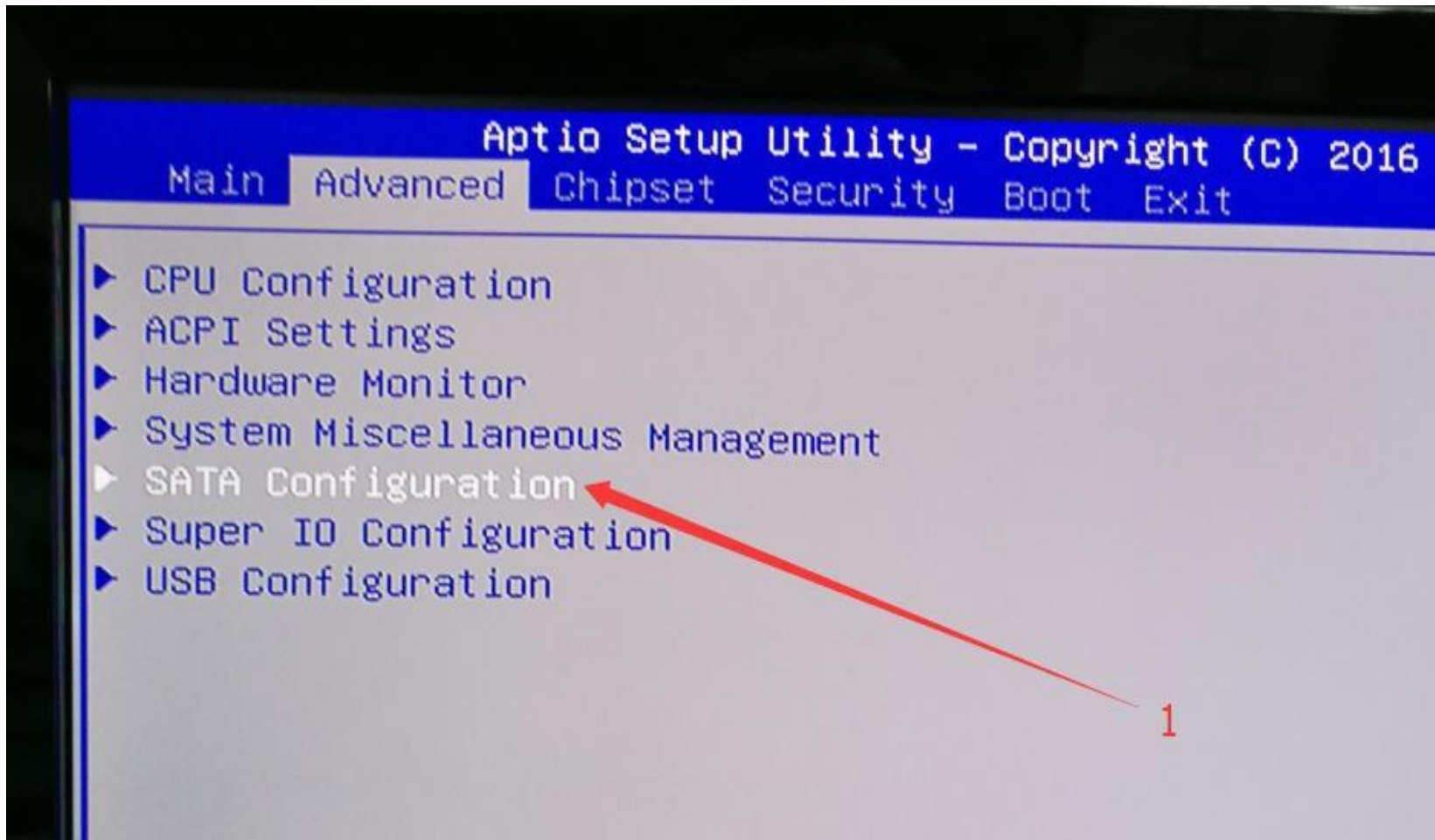


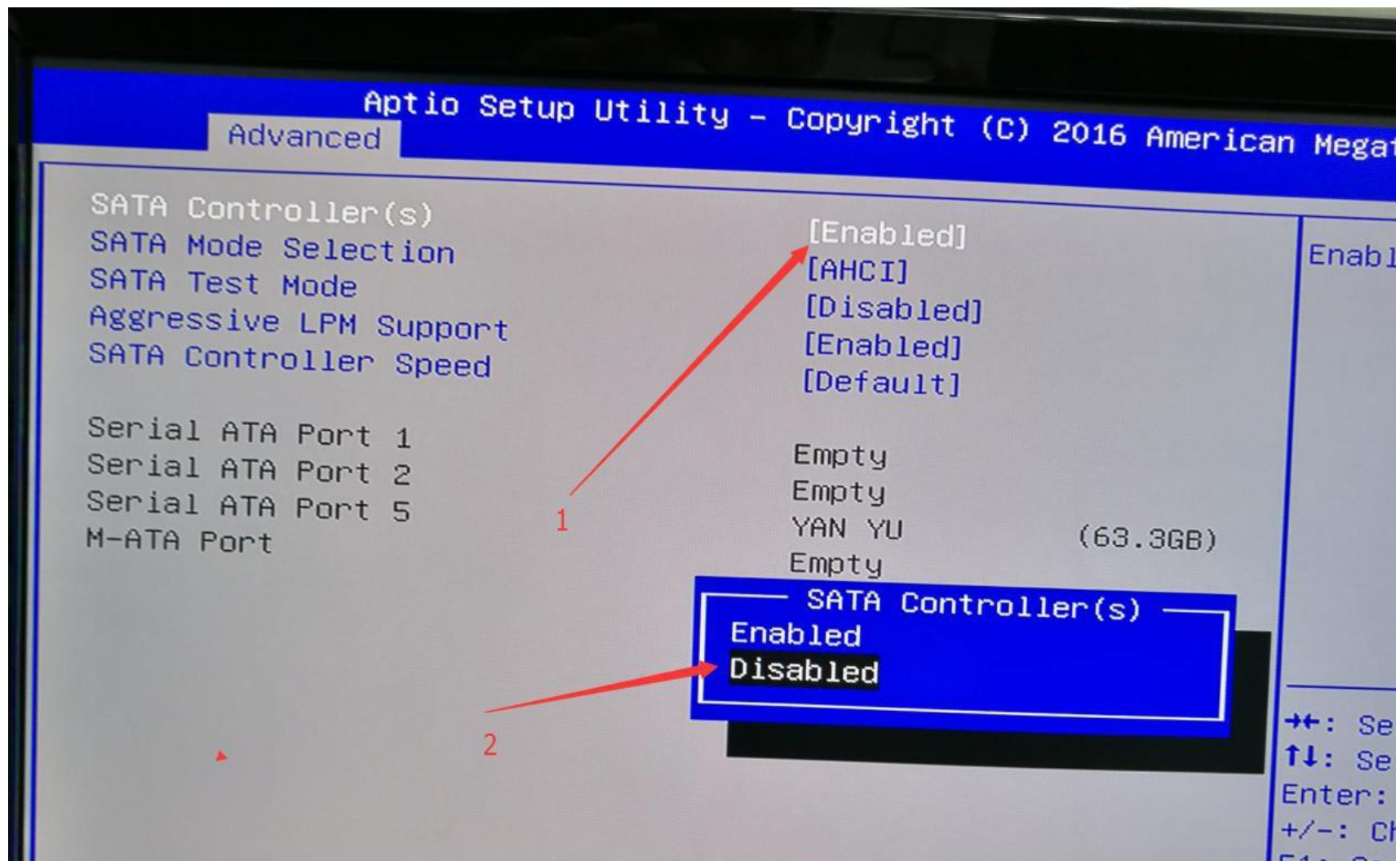
Before updating the BIOS, **please note**:

Don't install hard disk to the computer. But if the computer has hard disk installed, disable SATA in BIOS.

Steps: Entering in to BIOS Interface => Advanced => SATA Configuration =>



SATA Controller(s) => [Disabled] => Click the key "F10" to save the setting

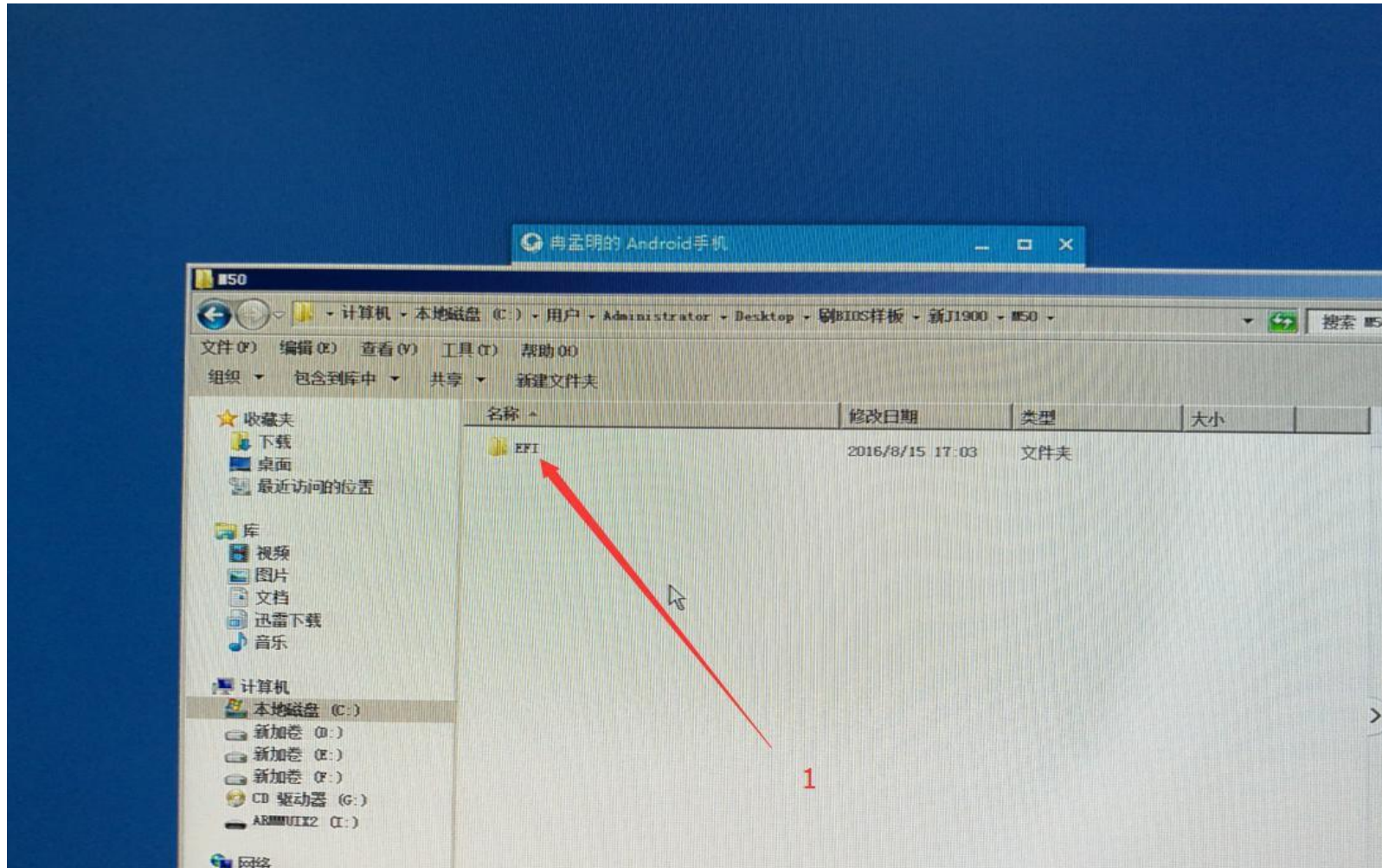


EFI BIOS Flash Steps

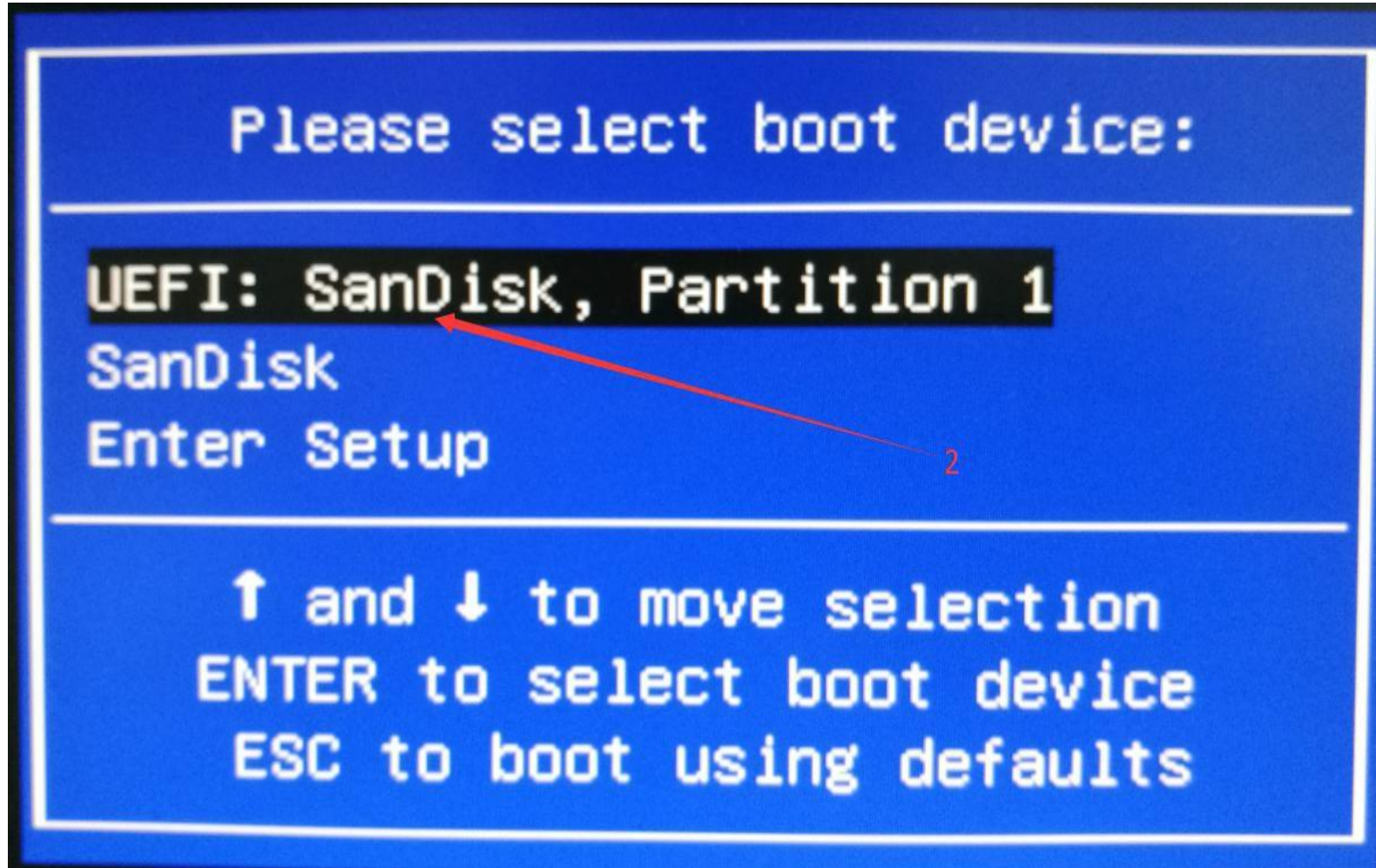


1. Format the USB disk to FAT32 format, open the extracted BIOS data, copy the EFI folder into the USB disk, and insert the USB disk into the motherboard.

(Note: The BIOS information must correspond with the model of the motherboard being flashed to avoid unstable or even malfunctioning operation of the motherboard.)



2. Keep clicking F11 key when computer boot, choose UEFI USB disk as boot device, and click Enter button



3. After entering, counting down 5 seconds, BIOS will be flashed automatically.
(Note: Do not touch the motherboard and do not unplug the USB drive during BIOS flashing. If there has a power off, restart, or shutdown during the flashing, the motherboard will not turn on again)

```
xEE7FC1)
blk1 :Removable BlockDevice - Alias (null)
      PciRoot(0x0)/Pci(0x1D,0x0)/USB(0x0,0x0)/USB(0x1,0x0)/USB(0x2,0x0)

Press ESC in 1 seconds to skip startup.nsh, any other key to continue.
fs0:\EFI\BOOT\startup.nsh> FS0:
fs0:\EFI\BOOT\startup.nsh> CD EFI\BOOT
fs0:\EFI\BOOT\startup.nsh> FPT64 -F M50.BIN

Intel (R) Flash Programming Tool. Version: 1.0.4.1089
Copyright (c) 2007 - 2013, Intel Corporation. All rights reserved.

Platform: Bay Trail
SpiLoadDevicesFile(fparts.txt)...
Reading HSFSTS register... Flash Descriptor: Valid

--- Flash Devices Found ---
W25Q64DW      ID:0xEF6017      Size: 8192KB (65536Kb)

PDR Region does not exist.

- Reading Flash [0x800000] 8192KB of 8192KB - 100% complete.
- Erasing Flash Block [0x005000] - 100% complete.
- Programming Flash [0x005000] 4KB of 4KB - 100% complete.
- Erasing Flash Block [0x00B000] - 100% complete.
- Programming Flash [0x00B000] 12KB of 12KB - 100% complete.
- Erasing Flash Block [0x304000] - 100% complete.
- Programming Flash [0x304000] 16KB of 16KB - 100% complete.
- Erasing Flash Block [0x320000] - 100% complete.
- Programming Flash [0x320000] 4KB of 4KB - 100% complete.
- Verifying Flash [0x2A3D80] 2703KB of 8192KB - 33% complete.
```

4、 Upon reaching this interface, it means that the BIOS has been flashed. At this time, do not directly unplug the power. First, unplug the USB drive and then press the keyboard (Ctrl+Ait+Delete) to restart the computer

```
- Programming Flash [0x0E03000] 184KB of 184KB - 100 percent complete  
Processing Flash memory block 3600 from 4095.  
- Erasing Flash Block [0xE11000] - 100 percent complete.  
- Programming Flash [0x0E11000] 4KB of 4KB - 100 percent complete  
Processing Flash memory block 3853 from 4095.  
- Erasing Flash Block [0xF0E000] - 100 percent complete.  
- Programming Flash [0x0F0E000] 568KB of 568KB - 100 percent complete  
Processing Flash memory block 3905 from 4095.  
- Erasing Flash Block [0xF42000] - 100 percent complete.  
- Programming Flash [0x0F42000] 4KB of 4KB - 100 percent complete  
Processing Flash memory block 3908 from 4095.  
- Erasing Flash Block [0xF45000] - 100 percent complete.  
- Programming Flash [0x0F45000] 8KB of 8KB - 100 percent complete  
Processing Flash memory block 4056 from 4095.  
- Erasing Flash Block [0xFD9000] - 100 percent complete.  
- Programming Flash [0x0FD9000] 516KB of 516KB - 100 percent complete.  
- Processed memory blocks 4095 from 4095.  
RESULT: The data is identical.16384KB of 16384KB - 100 percent complete.
```

Flash device was programmed. It is recommended to perform
G3 power cycle to complete the flashing process.

FPT Operation Successful.

FS0:\efi\boot\> _

5、 After restarting, keep clicking the “Delete” key to enter into BIOS, press “F9” to optimize, and then press “F10” to save the setting.

