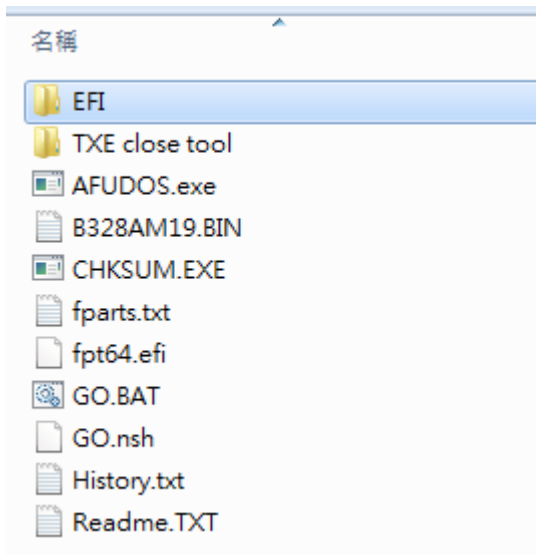


How to flash BIOS & TXE under UEFI Shell mode

Step 1 : Prepare an USB flash drive and format it to FAT(or FAT32).

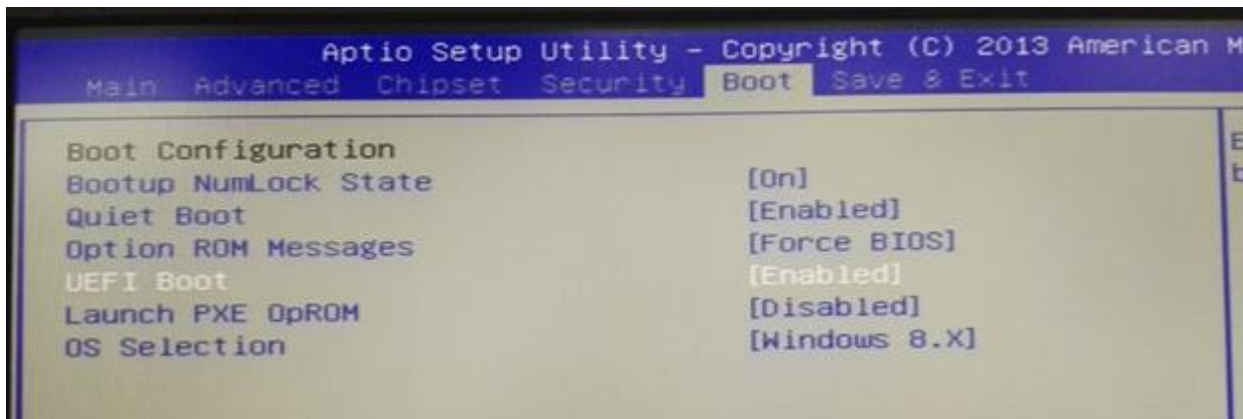
Step 2 : Extract BIOS release package(EX: ROM_xxxARxx.zip) to the root directory of USB drive.



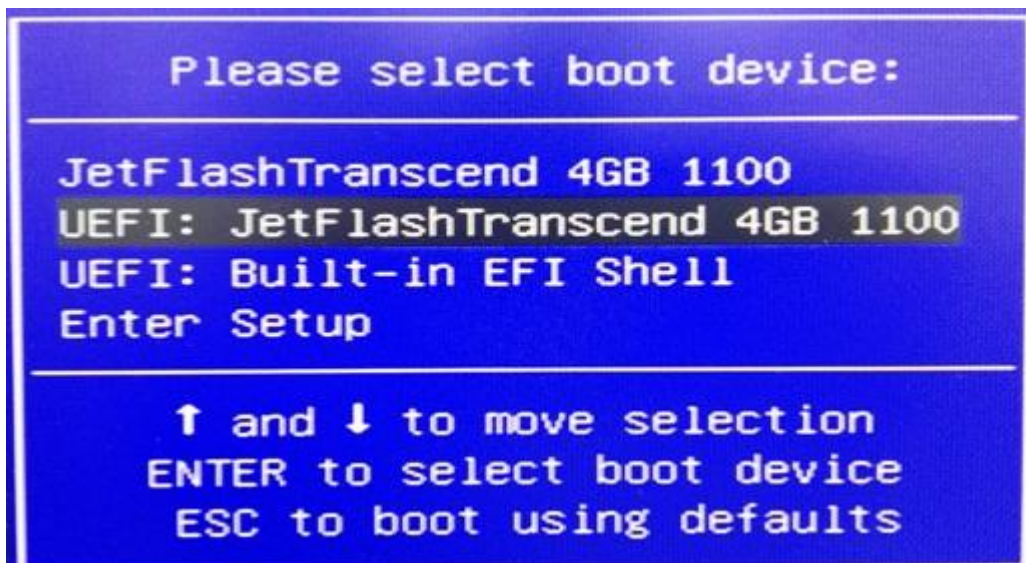
Step 3 : Connect USB flash drive to computer.

Step 4 : Power up computer and pressing [DEL] key into BIOS setup screen.

Step 5 : Under Boot tab, set [UEFI Boot] to [Enabled] then press [F4] to save and exit.



Step 6 : During the computer rebooting, press [F7] key into BBS boot device menu and select [UEFI: your USB drive].



Step 7 : The computer will boot into shell mode, then type command **fs0:** and press [Enter].

```
EFI Shell version 2.31 [5.9]
Current running mode 1.1.2
Device mapping table
  fs0  :Removable HardDisk - Alias hd17b0e0b blk0
        PciRoot(0x0)/Pci(0x1D,0x0)/USB(0x1,0x0)/USB(0x4,0x0)
  blk0 :Removable HardDisk - Alias hd17b0e0b fs0
        PciRoot(0x0)/Pci(0x1D,0x0)/USB(0x1,0x0)/USB(0x4,0x0)
  blk1 :Removable BlockDevice - Alias (null)
        PciRoot(0x0)/Pci(0x1D,0x0)/USB(0x1,0x0)/USB(0x4,0x0)

Press ESC in 1 seconds to skip startup.nsh, any other key
Shell> fs0:

fs0:\> _
```

Step 8 : Type [GO] then press enter to start BIOS updating.

EX : Command for flash full image (BIOS ROM + TXE) : fs0:\> go + [Enter]

```
Shell> fs0:

fs0:\> go
go> fpt64 -f B328AM19.BIN

Intel (R) Flash Programming Tool. Version: 1.0.2.1065
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 [0x304000] - 100% complete.
- Programming Flash [0x304000] 16KB of 16KB - 100% complete.
- Erasing Flash Block [0x325000] - 100% complete.
- Programming Flash [0x325000] 24KB of 24KB - 100% complete.
- Erasing Flash Block [0x340000] - 100% complete.
- Programming Flash [0x340000] 4KB of 4KB - 100% complete.
- Verifying Flash [0x800000] 8192KB of 8192KB - 100% complete.
RESULT: The data is identical.

FPT Operation Passed

fs0:\> _
```