

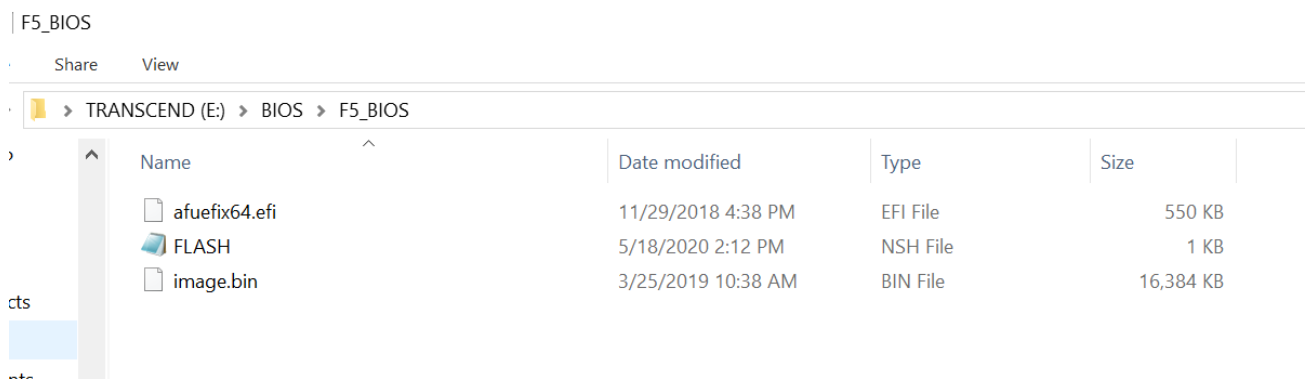
BIOS Update SOP

UEFI Shell

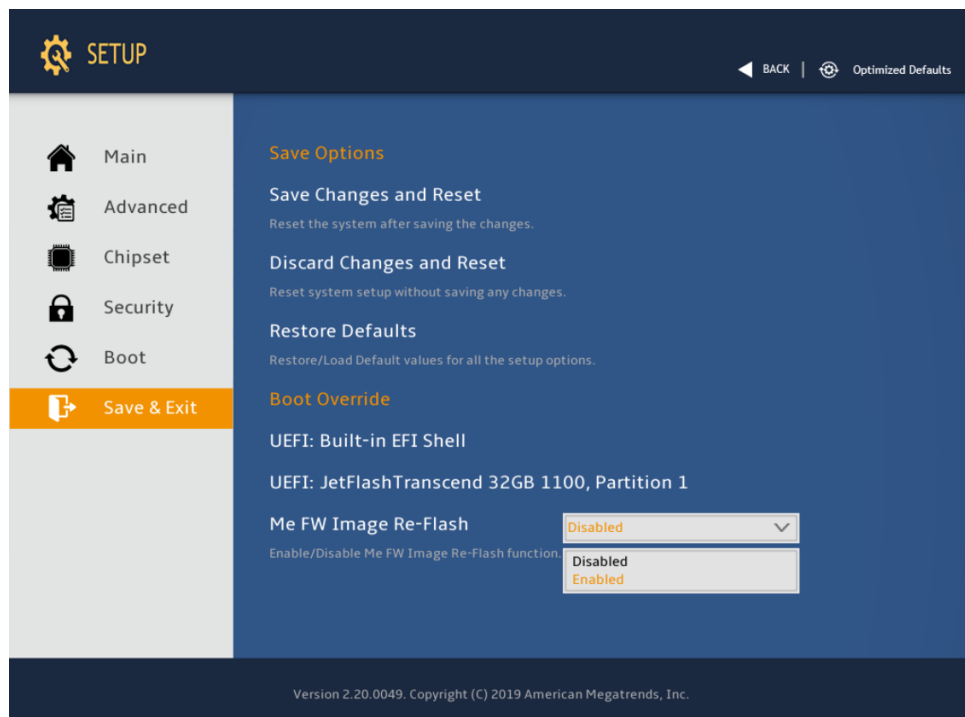
1. Download BIOS Package
2. Download BIOS update tool from AMI website.

URL: https://ami.com/en/?Aptio_V_AMI_Firmware_Update_Utility.zip

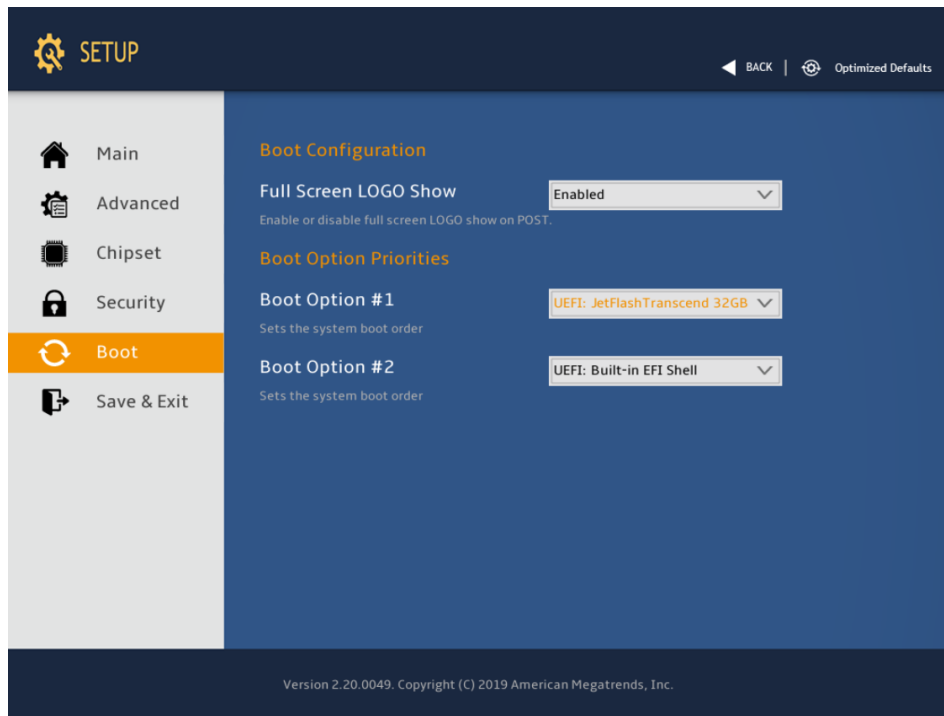
3. Copy "AfuEfix64.efi" into BIOS folder.



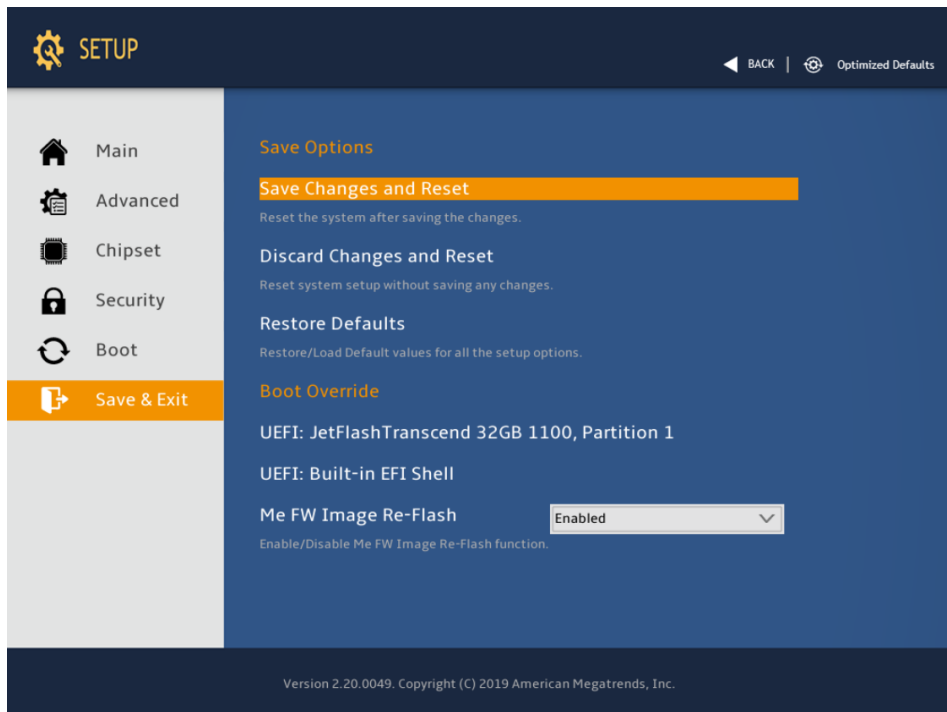
4. Turn on BRIX, press DEL enter BIOS setting then go to Save & Exit tab. Set “ME FW Image Re-Flash” (For Intel platform only) to Enable.



5. Change Boot Option #1 to USB Flash device



6. Press Save Changes and Reset to save configuration and exit. Select Yes.



7. Screen will display all devices. Type **fs0:** to select USB drive.

```
EFI Shell version 2.70 [5.16]
Current running mode 1.1.2
Device mapping table
  fs0  :Removable HardDisk - Alias hd900b blk0
        PciRoot(0x0)/Pci(0x14,0x0)/USB(0xE,0x0)/HD(1,MBR,0x14D3694F,0x800,0x3A
4C800)
  blk0  :Removable HardDisk - Alias hd900b fs0
        PciRoot(0x0)/Pci(0x14,0x0)/USB(0xE,0x0)/HD(1,MBR,0x14D3694F,0x800,0x3A
4C800)
  blk1  :Removable BlockDevice - Alias (null)
        PciRoot(0x0)/Pci(0x14,0x0)/USB(0xE,0x0)

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

fs0:\> _
```

8. Enter the BIOS folder and then type “flash.nsh” to flash BIOS

```
fs0:\BIOS\MCMCUAB> cd F2_BIOS

fs0:\BIOS\MCMCUAB\F2_BIOS> ls
Directory of: fs0:\BIOS\MCMCUAB\F2_BIOS

06/05/20  02:15p <DIR>          16,384 .
06/05/20  02:15p <DIR>          16,384 ..
05/18/20  03:30p                61 flash.bat
05/18/20  02:12p                78 FLASH.NSH
12/05/19  08:09p        33,554,432 image.bin
12/03/19  02:32p        572,016 AfuEfifix64.efi
          4 File(s)  34,126,587 bytes
          2 Dir(s)

fs0:\BIOS\MCMCUAB\F2_BIOS> flash.nsh_
```

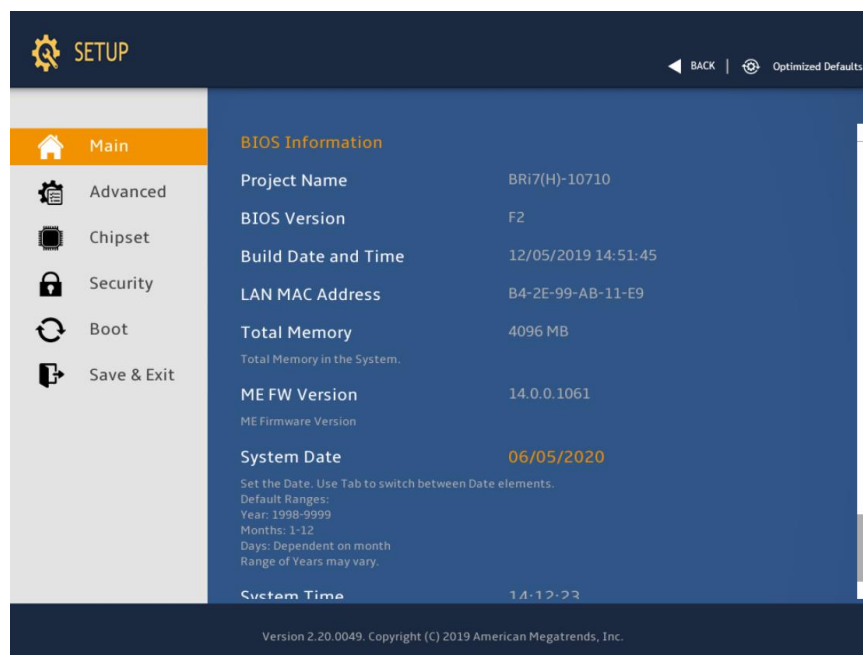
9. It may take a few minutes and you will see the following screen during BIOS update.

```
fs0:\BIOS\MCLUAB\F2_BIOS> flash.nsh
flash.nsh> AfuEfix64.efi image.bin /X /ME
+-----+
|          AMI Firmware Update Utility v5.12.03.2074          |
| Copyright (c) 1985-2019, American Megatrends International LLC. |
| All rights reserved. Subject to AMI licensing agreement.      |
+-----+
- ME Data Size Checking ..... ok
- System Secure Flash ..... Enabled
Loading The ME Data To BIOS ..... Done
- Update success for FDR
- Update success for GBER
- Update success for DER2
- Update MER ..... ✕

+-----+
- ME Data Size Checking ..... ok
- System Secure Flash ..... Enabled
Loading The ME Data To BIOS ..... Done
- Update success for FDR
- Update success for GBER
- Update success for DER2
- Update success for MER
WARNING !!
System must power-off to have the changes which take effect!

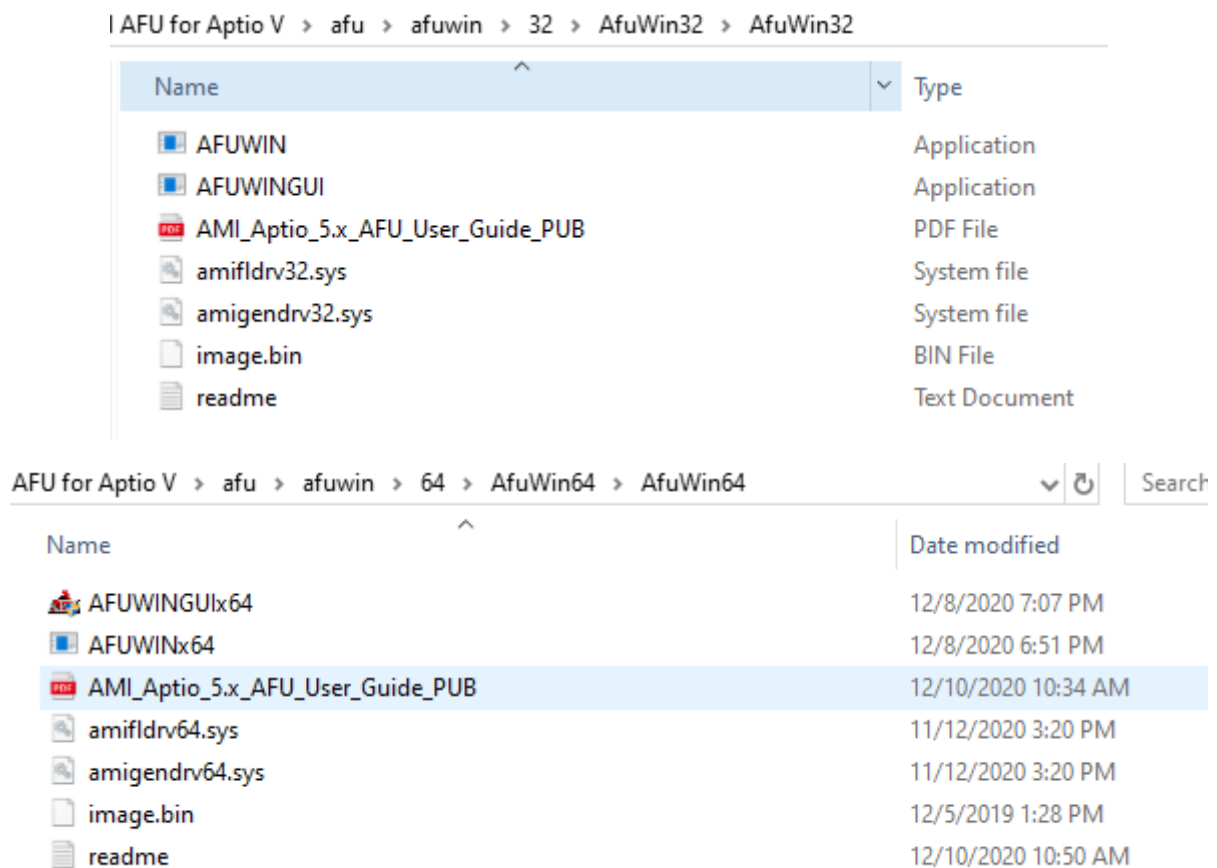
Process completed.
flash.nsh> AfuEfix64.efi image.bin /X /P /B /N /L /REBOOT
+-----+
|          AMI Firmware Update Utility v5.12.03.2074          |
| Copyright (c) 1985-2019, American Megatrends International LLC. |
| All rights reserved. Subject to AMI licensing agreement.      |
+-----+
Reading flash ..... Done
- ME Data Size Checking ..... ok
- System Secure Flash ..... Enabled
- FFS Checksums ..... Pass
- Check RomLayout ..... Pass
Loading File To Verify Memory ..... Done
Erasing Boot Block ..... 0x008FC000 (5%)
```

10. Reboot and you can find BIOS updated to the one flashed.

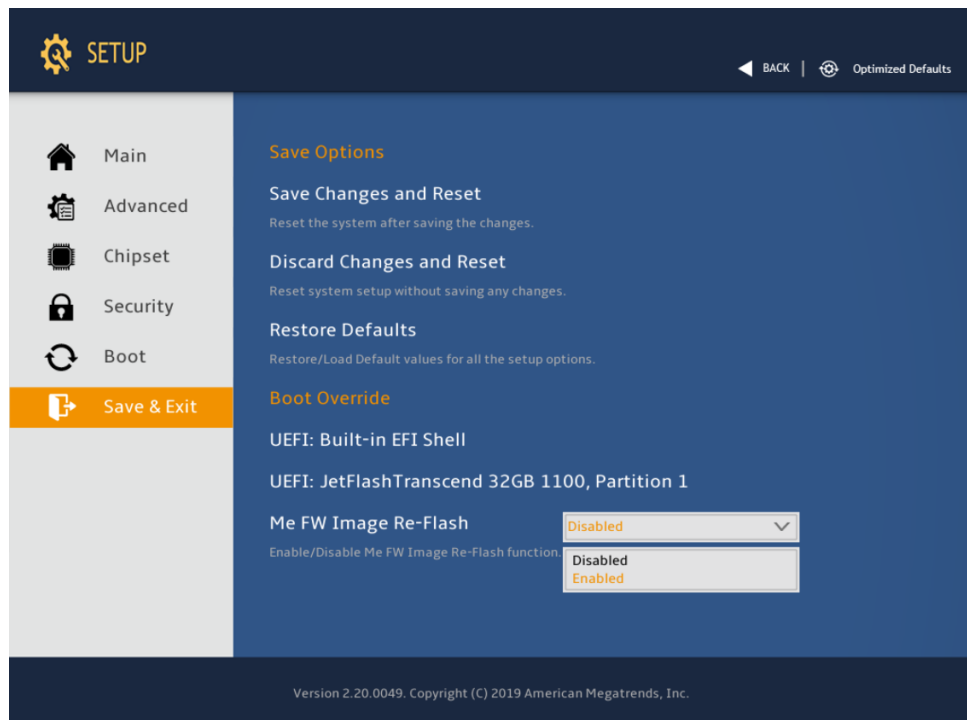


Windows

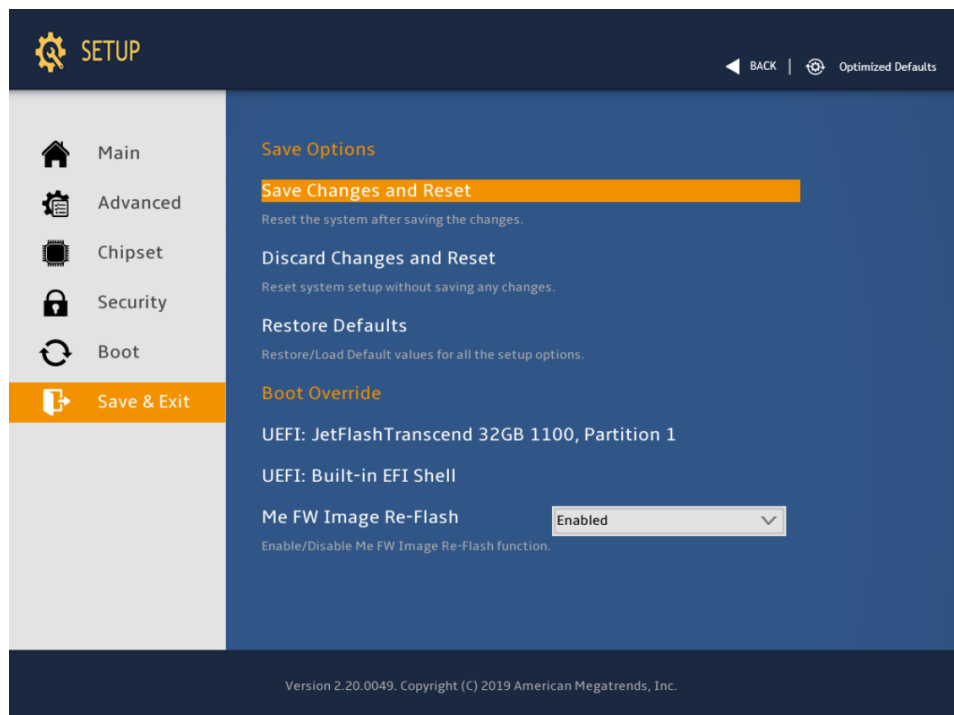
1. Download BIOS Package
2. Download BIOS update tool from AMI website.
URL: https://ami.com/en/?Aptio_V_AMI_Firmware_Update_Utility.zip
3. Copy BIOS image.bin file to AMI flash tool folder



4. Turn on BRIX, press DEL enter BIOS setting then go to Save & Exit tab. Set “ME FW Image Re-Flash” (For Intel platform only) to Enable.



5. Press Save Changes and Reset to save configuration and exit. Select Yes.



6. Boot to Windows and into "cmd" mode



7. into BIOS Package folder

```

Command Prompt

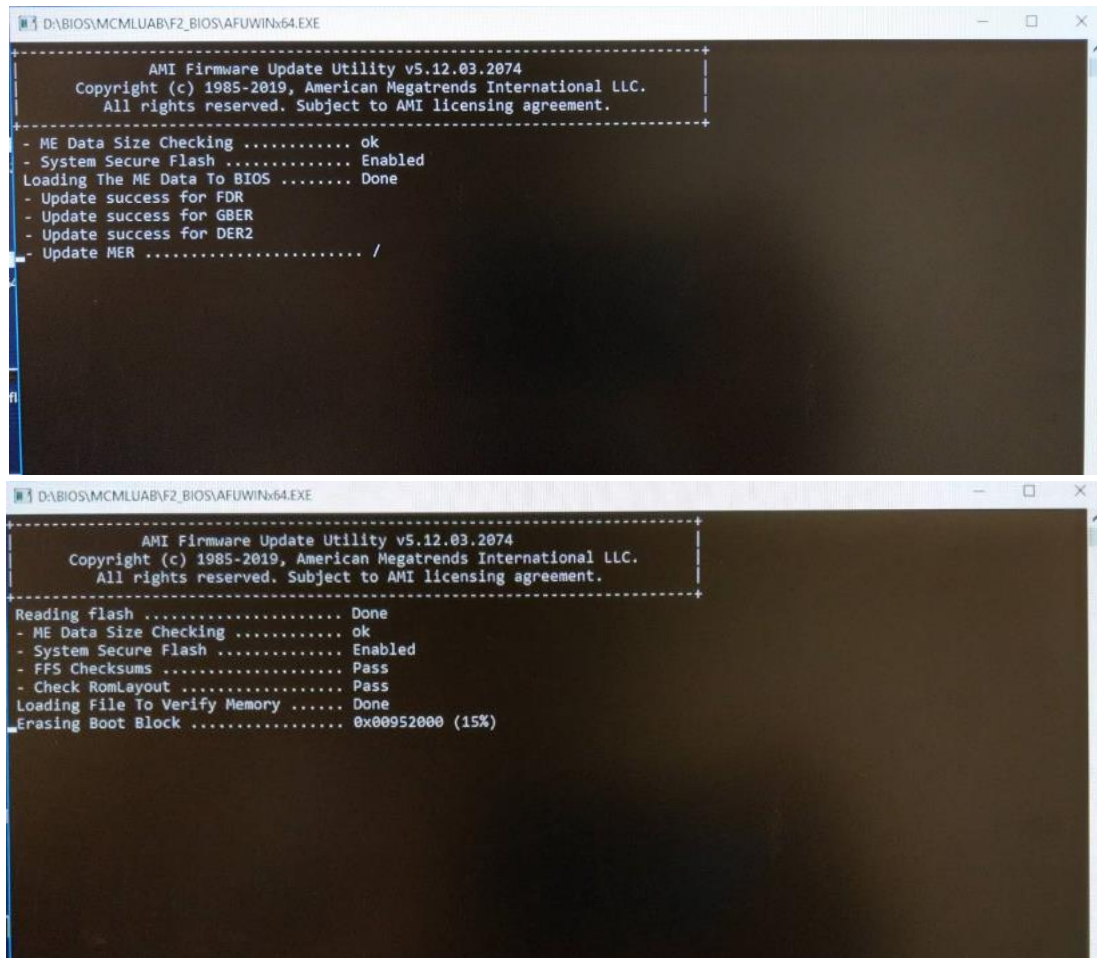
D:\BIOS\MCLUAB\F2_BIOS>dir/w
Volume in drive D is TRANSCEND
Volume Serial Number is DEEF-BFE8

Directory of D:\BIOS\MCLUAB\F2_BIOS

[.]                [..]                flash.bat          FLASH.NSH          image.bin          AFUWINx64.EXE      amifldr64.sys
5 File(s)          34,221,899 bytes
2 Dir(s)           23,671,504,896 bytes free

D:\BIOS\MCLUAB\F2_BIOS>flash.bat
  
```


8. Run "Flash.bat" to start update BIOS.



9. Restart your system and press DEL enter BIOS to check BIOS version.

