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BIOS Update Instruction for Viglen UltraBook

- Before initiating a BIOS update, be sure to read and precisely follow the instructions included in this document.
- If a BIOS update process is interrupted or the incorrect BIOS is flashed, your system may not function properly and can possibly damage the motherboard.

Initial BIOS Release:

- BIOS version: Kabylake-R_IR133_V1.10.13
- Date and Time: 09/22/2018 15:49:19
- Built date and Time: 08/09/2018 17:59:54

Fix:

- LCD flickering

Following Steps need to be carried out to complete the BIOS update process.

1. **BIOS Update under Windows or Windows Environment**
2. **Flash BIOS using EFI shell**

Step 1: Windows\WinPE BIOS and ME firmware Update

1. Save the BIOS update file to a temporary directory.
2. Extract necessary files.
3. Open Command Prompt
 - a. Type 'CMD' under Search.
 - b. Run Command Prompt as Administrator
4. In command prompt navigate to the extracted BIOS folder (i.e. **WinPE_Win_x64_IR133_V1.10.13**)
5. At the prompt, type **01_afuRetry_V2** to launch the BIOS updates process.

After BIOS update is completed, system will re-start automatically.

IMPORTANT!

During the update process DO NOT shut down the PC or interrupt the process, this could cause damage to the motherboard.



Step 2: BIOS Update under EFI Shell

- EFI_BIOS_IR133_V1.10.x.zip

1. Extract the files from [EFI_BIOS_IR133_V1.10.x.zip] to the root directory of your USB drive.
(Please format the USB flash drive to FAT)

Note: The following files should be in X:\EFI\BOOT (replace X with the drive letter of your USB drive):

- AfuEfix64.efi
 - IR133_V1.10.13_EC_IR133_20180922.bin
2. Power up your NOTEBOOK by plugging in power adapter. Make sure that NOTEBOOK is running AC power during the entire BIOS update process.
 3. Power on NOTEBOOK and continue pressing [DEL] once Viglenlogo is displayed, until you are prompted to BIOS screen.
 4. Under Security tab, look for the option [Secure Boot] and set it to [Disabled]
 5. Press [F10] to save and exit
 6. After system restarts, press function key [F7] to enter boot device menu. Select your USB device by pressing the arrow up/down key, then press enter.
 7. Navigate to the USB key by typing **fsx**: on command prompt
 8. Type **AfuEfix64.efi IR133_V1.10.13_EC_IR133_20180922.bin /p /n /r /x /s** to start the BIOS update process

```
UEFI Interactive Shell v2.0
EDK II
UEFI v2.40 (American Megatrends, 0x0005000B)
Mapping table
FS0: Alias(s):F6:
    VenHw(58C518B1-76F3-11D4-BCEA-0080C73C8881)/VenHw(0C95A935-A006-11D4-B
CFA-0080C73C8881,00000000)
FS1: Alias(s):F7:
    VenHw(58C518B1-76F3-11D4-BCEA-0080C73C8881)/VenHw(0C95A935-A006-11D4-B
CFA-0080C73C8881,01000000)
BLK0: Alias(s):
    VenHw(58C518B1-76F3-11D4-BCEA-0080C73C8881)/VenHw(0C95A928-A006-11D4-B
CFA-0080C73C8881,00000000)
BLK1: Alias(s):
    VenHw(58C518B1-76F3-11D4-BCEA-0080C73C8881)/VenHw(0C95A92F-A006-11D4-B
CFA-0080C73C8881,01000000)
Press ESC in 5 seconds to skip startup.nsh or any other key to continue.
Shell> fs0:
```

9. Once BIOS flashing is done, type the command [reset] then press enter.
10. Once the system restarts and BIOS POST logo appears, press [DEL] to enter BIOS set-up.
Afterwards, press function key [F9] to load BIOS optimized defaults. Then followed by pressing function key "F10" to save and exit.

BIOS has been successfully updated using EFI Shell