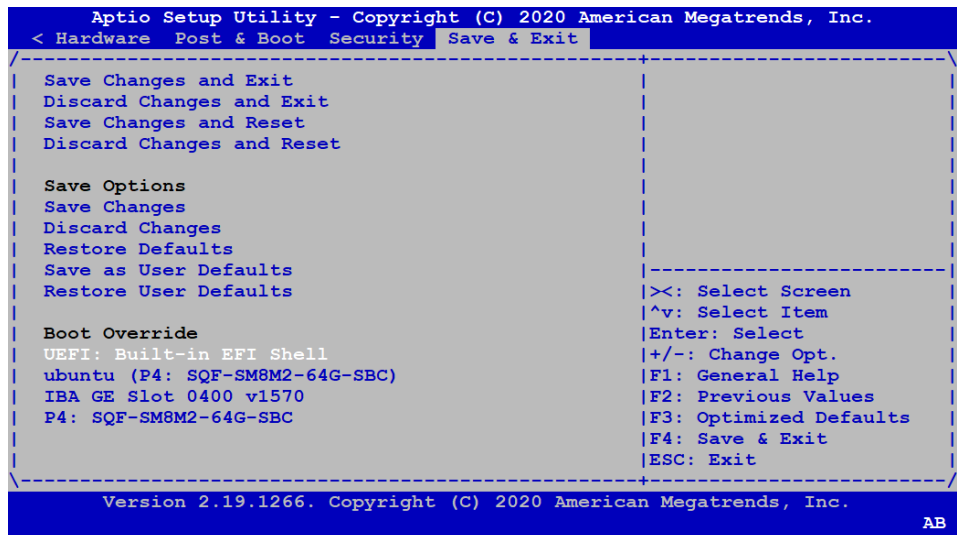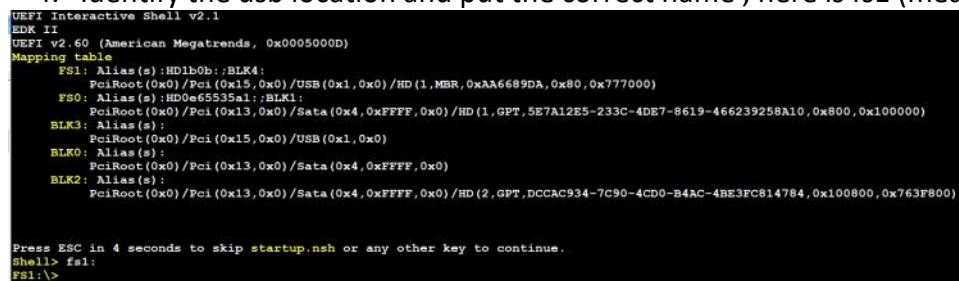1. Put the attach files into USB and plug in FWA-1112 USB port, then reset.
2. Please login BIOS and choose "UEFI: Built-in EFI Shell" in Override.
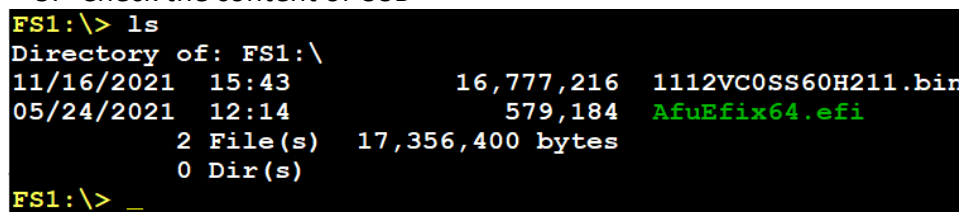
```
       Aptio Setup Utility - Copyright (C) 2020 American Megatrends, Inc.
    < Hardware  Post & Boot  Security  Save & Exit
/--------------------------------------------------+----------------------\
|  Save Changes and Exit                           |                        |
|  Discard Changes and Exit                        |                        |
|  Save Changes and Reset                          |                        |
|  Discard Changes and Reset                       |                        |
|                                                  |                        |
|  Save Options                                    |                        |
|  Save Changes                                    |                        |
|  Discard Changes                                 |                        |
|  Restore Defaults                                |                        |
|  Save as User Defaults                           |------------------------|
|  Restore User Defaults                           |><: Select Screen       |
|                                                  |^v: Select Item         |
|  Boot Override                                   |Enter: Select           |
|  UEFI: Built-in EFI Shell                        |+/-: Change Opt.        |
|  ubuntu (P4: SQF-SM8M2-64G-SBC)                  |F1: General Help        |
|  IBA GE Slot 0400 v1570                          |F2: Previous Values     |
|  P4: SQF-SM8M2-64G-SBC                           |F3: Optimized Defaults  |
|                                                  |F4: Save & Exit         |
|                                                  |ESC: Exit               |
\--------------------------------------------------+----------------------/
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                                                                    AB
```

3. Switch to UEFU Interactive Shell mode.

```
UEFI Interactive Shell v2.1
EDK II
UEFI v2.60 (American Megatrends, 0x0005000D)
Mapping table
     FS0: Alias(s):HD0e65535a1:;BLK1:
          PciRoot(0x0)/Pci(0x13,0x0)/Sata(0x4,0xFFFF,0x0)/HD(1,GPT,5E7A12E5-233C-4DE7-8619-466239258A10,0x800,0x100000)
     FS1: Alias(s):HD1b0b:;BLK4:
          PciRoot(0x0)/Pci(0x15,0x0)/USB(0x1,0x0)/HD(1,MBR,0xAA6689DA,0x80,0x777000)
     BLK0: Alias(s):
          PciRoot(0x0)/Pci(0x13,0x0)/Sata(0x4,0xFFFF,0x0)
     BLK2: Alias(s):
          PciRoot(0x0)/Pci(0x13,0x0)/Sata(0x4,0xFFFF,0x0)/HD(2,GPT,DCCAC934-7C90-4CD0-B4AC-4BE3FC814784,0x100800,0x763F800)
     BLK3: Alias(s):
          PciRoot(0x0)/Pci(0x15,0x0)/USB(0x1,0x0)


Press ESC in 1 seconds to skip startup.nsh or any other key to continue.
Shell> _
```

4. Identify the usb location and put the correct name , here is fs1 (means USB flash)

```
UEFI Interactive Shell v2.1
EDK II
UEFI v2.60 (American Megatrends, 0x0005000D)
Mapping table
     FS1: Alias(s):HD1b0b:;BLK4:
          PciRoot(0x0)/Pci(0x15,0x0)/USB(0x1,0x0)/HD(1,MBR,0xAA6689DA,0x80,0x777000)
     FS0: Alias(s):HD0e65535a1:;BLK1:
          PciRoot(0x0)/Pci(0x13,0x0)/Sata(0x4,0xFFFF,0x0)/HD(1,GPT,5E7A12E5-233C-4DE7-8619-466239258A10,0x800,0x100000)
     BLK3: Alias(s):
          PciRoot(0x0)/Pci(0x15,0x0)/USB(0x1,0x0)
     BLK0: Alias(s):
          PciRoot(0x0)/Pci(0x13,0x0)/Sata(0x4,0xFFFF,0x0)
     BLK2: Alias(s):
          PciRoot(0x0)/Pci(0x13,0x0)/Sata(0x4,0xFFFF,0x0)/HD(2,GPT,DCCAC934-7C90-4CD0-B4AC-4BE3FC814784,0x100800,0x763F800)


Press ESC in 4 seconds to skip startup.nsh or any other key to continue.
Shell> fs1:
FS1:\>
```

5. Check the content of USB

```
FS1:\> ls
Directory of: FS1:\
11/16/2021  15:43              16,777,216  1112VC0SS60H211.bin
05/24/2021  12:14                 579,184  AfuEfix64.efi
          2 File(s)   17,356,400 bytes
          0 Dir(s)

FS1:\> _
```

6. Execute command, check last message "Process completed".

```
FS1:\> AfuEfix64.efi 1112VC0SS60H211.bin /P /B /N /X
+--------------------------------------------------------------------+
|                  AMI Firmware Update Utility v5.14.03.0039          |
|        Copyright (c) 1985-2021, American Megatrends International LLC. |
|           All rights reserved. Subject to AMI licensing agreement.  |
+--------------------------------------------------------------------+
 Reading flash ..................... Done
 - ME Data Size Checking ........... Pass
 - FFS Checksums ................... Pass
 - Check RomLayout ................. Pass
 Erasing Main Block ................ Done
 Updating Main Block ............... Done
 Verifying Main Block .............. Done
 Erasing Boot Block ................ Done
 Updating Boot Block ............... Done
 Verifying Boot Block .............. Done
 Erasing NVRAM Block ............... Done
 Updating NVRAM Block .............. Done
FS1:\> ing NVRAM Block ............. Done

 Process completed.
```

7. Power off then Power on after 5 secs, and it will take 1 min around to boot in the first time.
8. Evaluate message info show up.

```
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**** FWA-1112VC BIOS H2.11 (11/16/2021) ****
Press <DEL> or <F2> to enter setup.

"Evaluation ROM only, not for sale."
```

9. The option can be checked and "Disabled" by default.

```
        Aptio Setup Utility - Copyright (C) 2021 American Megatrends, Inc.
      Main  Platform  Hardware  Post & Boot  Security  Save & Exit
/---------------------------------------------+----------------------\
|> Serial Console                             |Virtualization        |
|> USB Configuration                          |                      |
|> Trusted Computing                          |                      |
|> Hardware Monitor                           |                      |
|> Virtualization                             |                      |
|> Platform Management                        |                      |
|                                             |                      |
|                                             |                      |
|                                             |                      |
|                                             |----------------------|
|                                             |><: Select Screen     |
|                                             |^v: Select Item       |
|                                             |Enter: Select         |
|                                             |+/-: Change Opt.       |
|                                             |F1: General Help      |
|                                             |F2: Previous Values   |
|                                             |F3: Optimized Defaults |
|                                             |F4: Save & Exit        |
|                                             |ESC: Exit             |
\---------------------------------------------+----------------------/
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                                                                    AB
```

```
        Aptio Setup Utility - Copyright (C) 2021 American Megatrends, Inc.
           Platform
/---------------------------------------------+----------------------\
| Intel Virtualization    [Enabled]           |Option to             |
| VT-d                    [Enabled]           |Enable/Disable VT-d   |
| VT-d Interrupt remapp   [Disabled]          |Interrupt remapping   |
| SR-IOV Support          [Disabled]          |                      |
|                                             |                      |
|                                             |                      |
|                                             |                      |
|                                             |                      |
|                                             |----------------------|
|                                             |><: Select Screen     |
|                                             |^v: Select Item       |
|                                             |Enter: Select         |
|                                             |+/-: Change Opt.       |
|                                             |F1: General Help      |
|                                             |F2: Previous Values   |
|                                             |F3: Optimized Defaults |
|                                             |F4: Save & Exit        |
|                                             |ESC: Exit             |
\---------------------------------------------+----------------------/
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                                                                    AB
```