Advantech ENPD product FAQ

FWA-1012VC BIOS UEFI flash method by AMI flashing utility (AfuEfix64.efi)

Applicable model list	FWA-1012VC series
Model name version	N/A
BIOS Version	N/A

Description:

FWA-1012VC doesn't have BMC to support remote BIOS flashing, it needs using AMI flash utility to upgrade BIOS, please refer following steps to flash FWA-1012VC BIOS in UEFI shell.

Method:

A.   Download AMI Firmware Update utilities

AMI flashing utility Web: https://ami.com/en/products/bios-uefi-tools-and-utilities/bios-uefi-utilities/

Please link AMI web and download AMI Firmware Update utilities –"**Aptio V**"
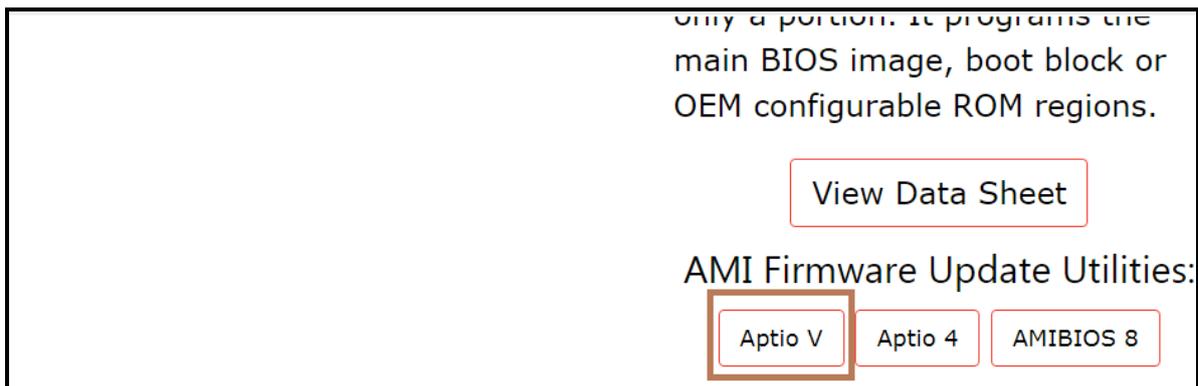
B.   Flash BIOS file

Please copy FWA-1012VC BIOS file & AMI Firmware Update utilities (AfuEfix64.efi) in USB, and refer following step to flashing FWA-1012VC BIOS

1.   Please login BIOS and choose "UEFI: Built-in EFI Shell" in Override.
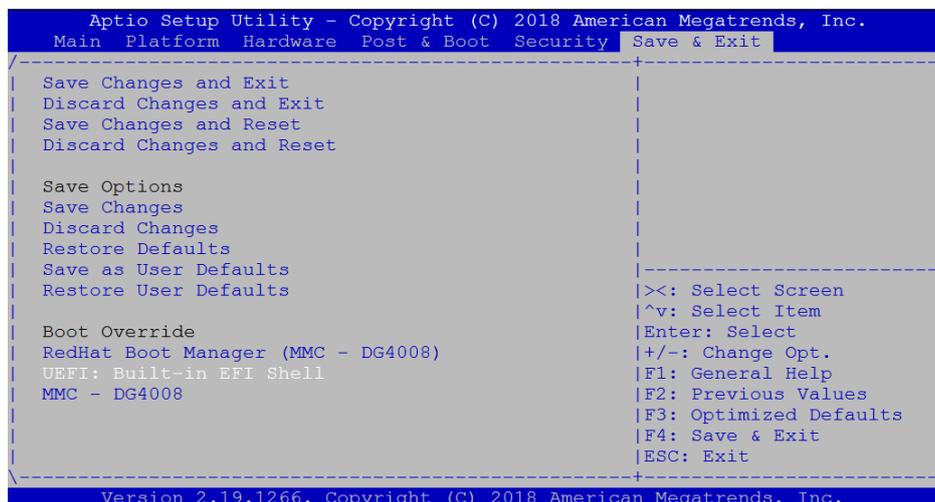
1. Please key-in command into FWA-1012 BIOS file folder.

```
Shell> fs0:
FS0:\> cd 1012
FS0:\1012\> cd ami
FS0:\1012\ami\> ls
Directory of: FS0:\1012\ami\
Directory of: FS0:\1012\ami\
11/02/2018  11:11 <DIR>          8,192  .
11/02/2018  11:11 <DIR>          8,192  ..
10/16/2018  17:31              555,632  AfuEfix64.efi
10/17/2018  14:00           16,777,216  1012VC0SS60V104.bin
          2 File(s)  17,332,848 bytes
```

2. Please key-in following command & parameters to flash FWA-1012 BIOS to V104, following step will flashes BIOS block, when utility shows "Process completed", it means flashing BIOS finish.

```
FS0:\1012\ami\> AfuEfix64.efi 1012VC0SS60V104.bin /P /B /N
+--------------------------------------------------------------------------+
|                  AMI Firmware Update Utility v5.11.04.1806               |
|        Copyright (C)2018 American Megatrends Inc. All Rights Reserved.    |
+--------------------------------------------------------------------------+

 Reading flash ............... done
 - ME Data Size checking . ok
 - FFS checksums ........ ok
 - Check RomLayout ........ ok.
 Erasing Boot Block .......... done
 Updating Boot Block ........ done
 Verifying Boot Block ....... done
 Erasing Main Block .......... done
 Updating Main Block ........ done
 Verifying Main Block ....... done
 Erasing NVRAM Block ........ done
 Updating NVRAM Block ....... done
 Verifying NVRAM Block ...... done


 Process completed.
```

3. Please power off, wait 2~3 seconds, and power on system again, system doesn't power up immediately after flashing BIOS, it needs waiting new BIOS scanning configuration (30~50 seconds).