# 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: <u>https://ami.com/en/products/bios-uefi-tools-and-utilities/bios-uefi-utilities/</u> Please link AMI web and download AMI Firmware Update utilities –"**Aptio V**"

main BIOS image, boot block or OEM configurable ROM regions.
View Data Sheet
AMI Firmware Update Utilities:

## 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.

Main Platform Hardware Post & Boot	Security Save & Exit
Save Changes and Exit	i i i i i i i i i i i i i i i i i i i
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
RedHat Boot Manager (MMC - DG4008)	+/-: Change Opt.
UEFI: Built-in EFI Shell	F1: General Help
MMC - DG4008	F2: Previous Values
	F3: Optimized Default:
	F4: Save & Exit
	ESC: Exit
	ESC: Exit

1. Please key-in command into FWA-1012 BIOS file folder.
Shell> fs0:
FS0: \> cd 1012
FS0: 1012 > cd ami
FS0: $1012 \in \mathbf{1s}$
Directory of: FS0:\1012\ami\
Directory of: FS0:\1012\ami\
11/02/2018 11:11 <dir> 8,192 .</dir>
11/02/2018 11:11 <dir> 8,192</dir>
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
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).