



How to update BIOS for AIMB

Contact Information:
Advantech Corporation
13 Whatney, Irvine, CA 92618
Tel: 949.420.2500
Fax: 949.420.2501
www.advantech.com

LET'S GROW
THE FUTURE TOGETHER.



Agenda

- 01** Before start
- 02** Perform BIOS update
- 03** Verify the updated version

01

Before start

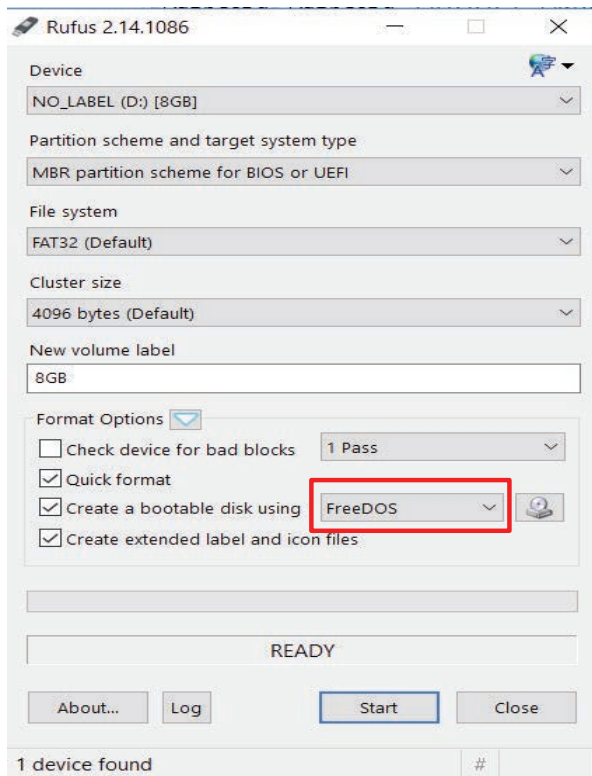


Before start

Required files:



Before start



Create a DOS bootable USB stick

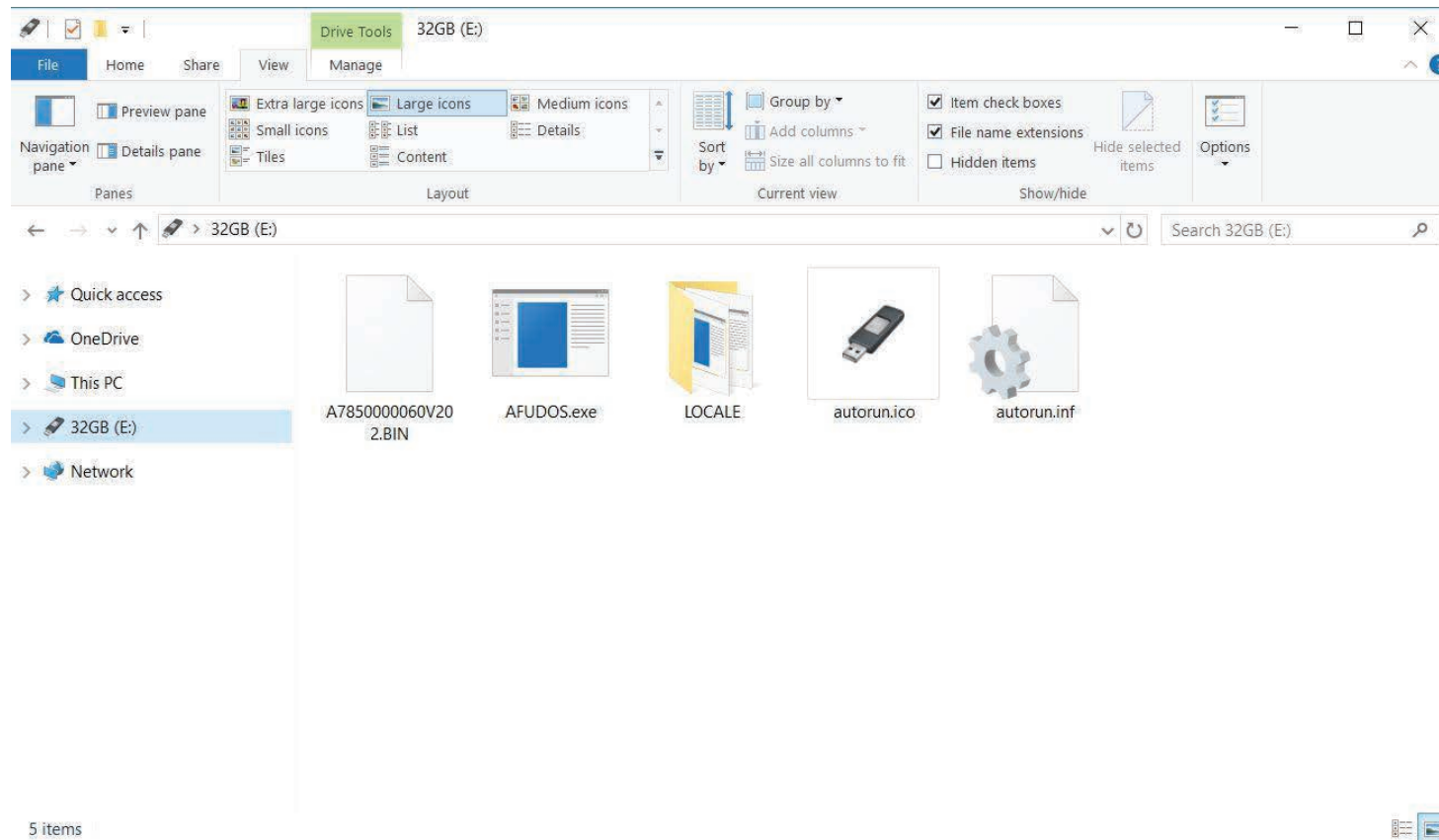
Select:

1. target USB drive as device
2. MBR partition scheme for BIOS or UEFI
3. FAT32
4. 4096 bytes

Select FreeDOS and Start

Before start

Place afudos.exe and related BIN files in the same directory of the DOS bootable USB drive.



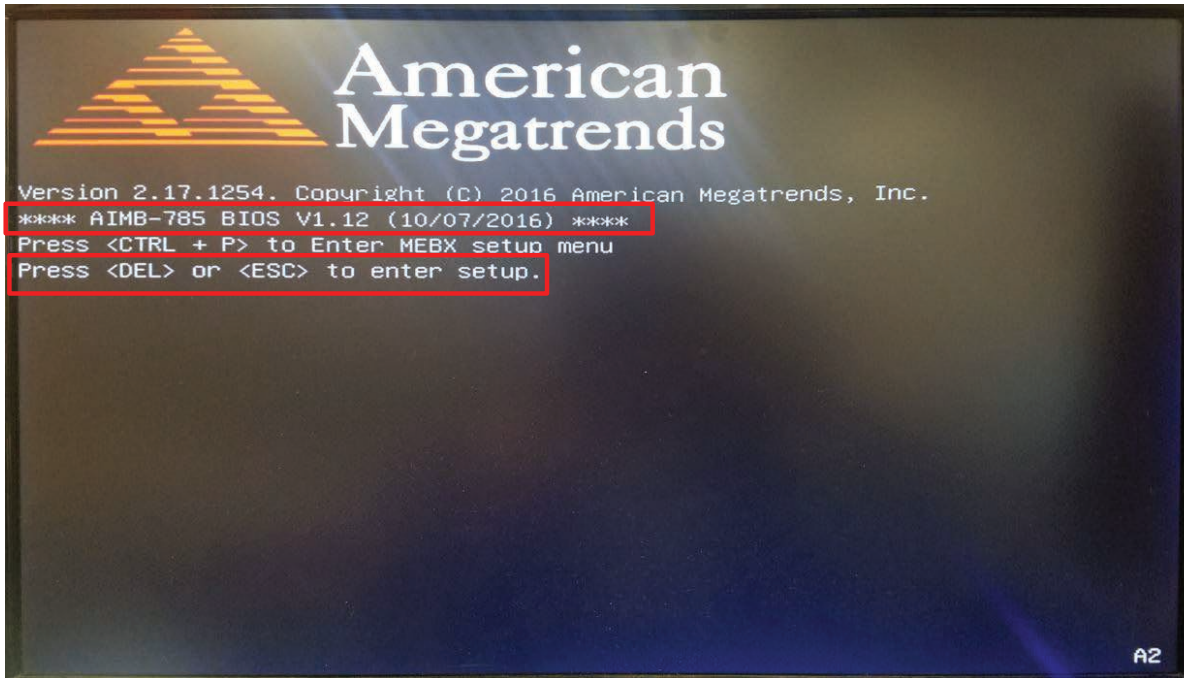
02

Perform BIOS update

LET'S GROW
THE FUTURE TOGETHER.



Perform BIOS update

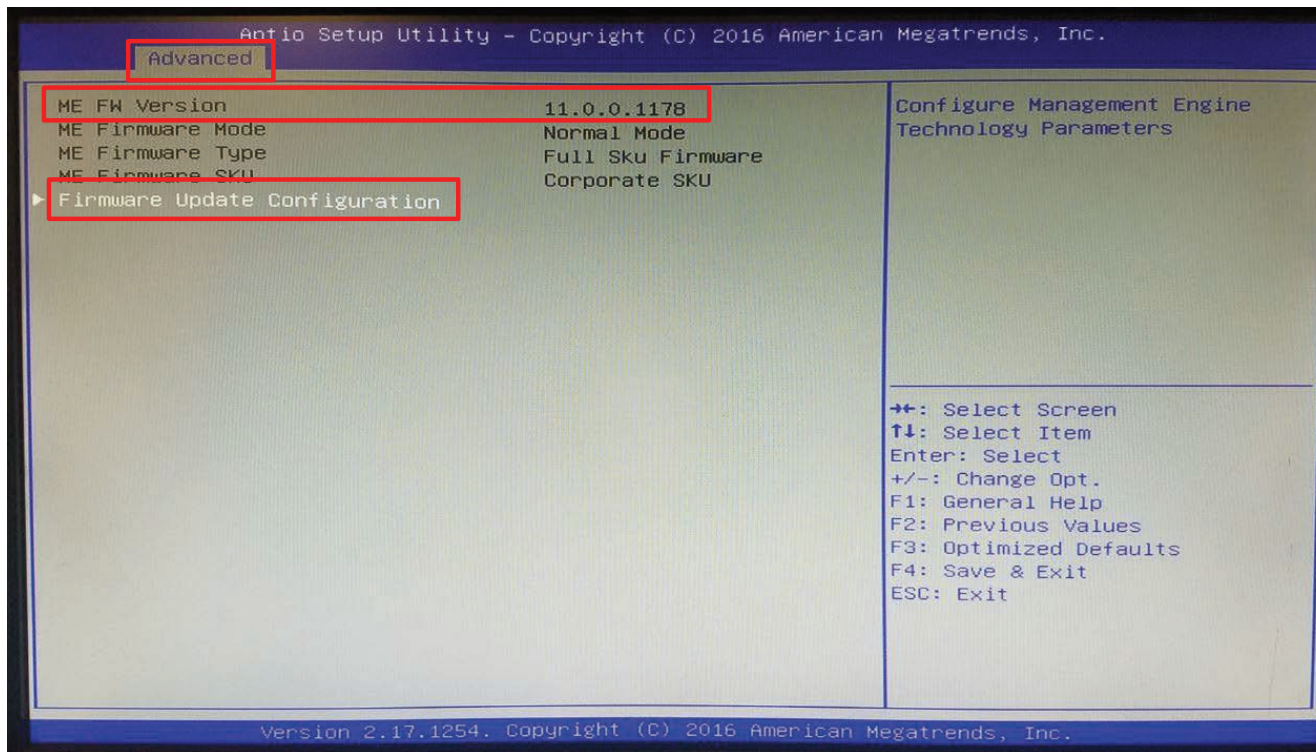


- 1.
- 2.

1. Confirm the version of current BIOS
2. Boot up and press "DEL" or "ESC" to enter BIOS setup

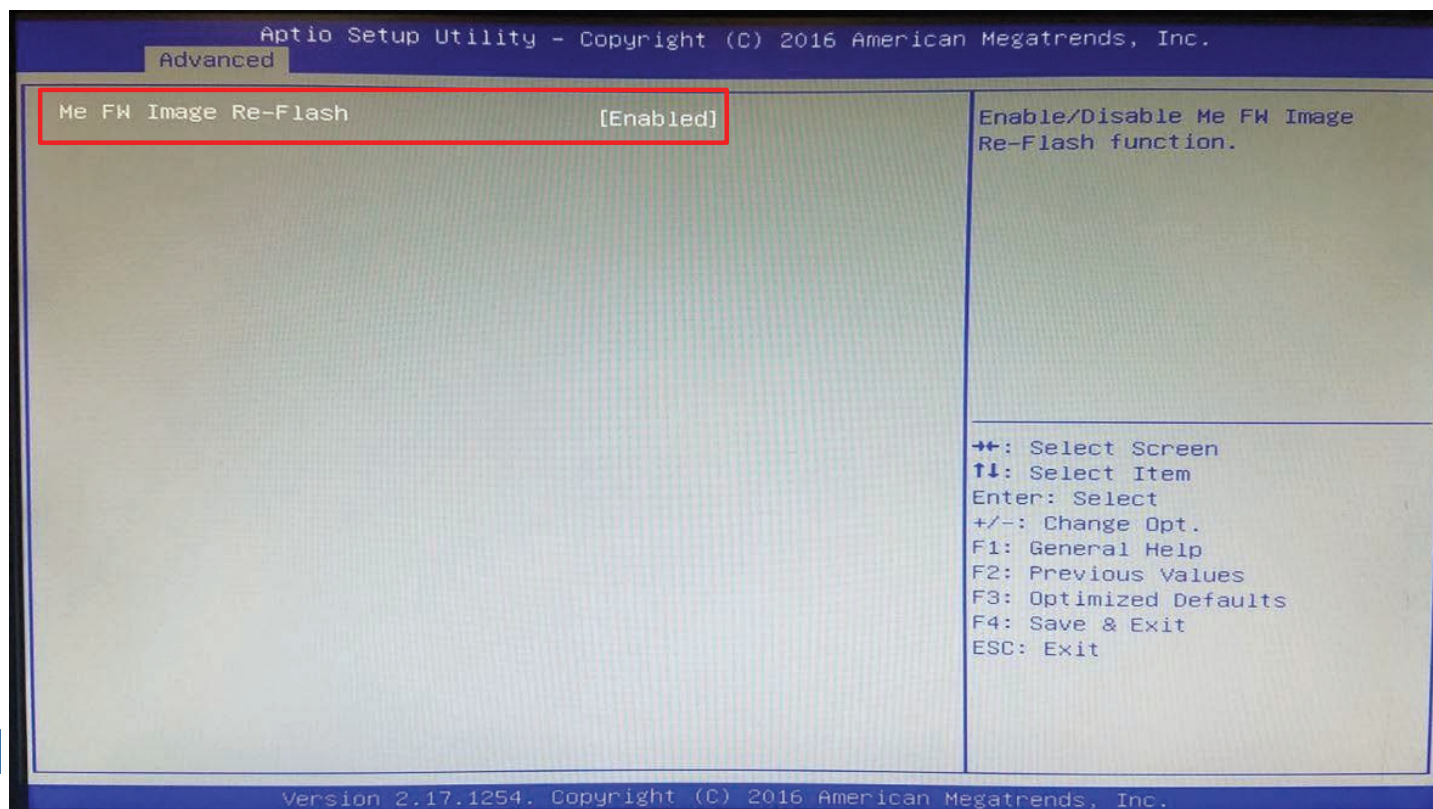
Perform BIOS update

Go to Advanced->PCH-FW Configuration, and current “ME FW Version” can be confirmed



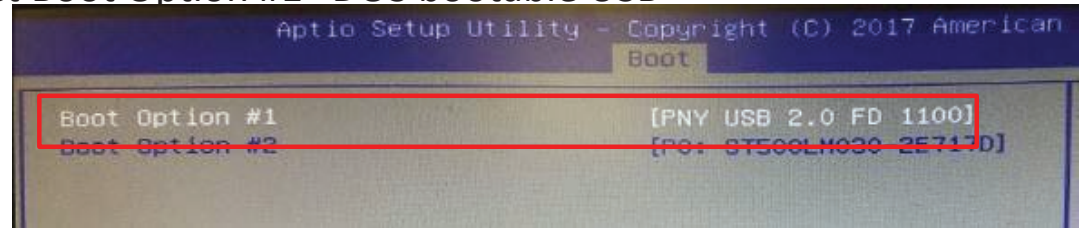
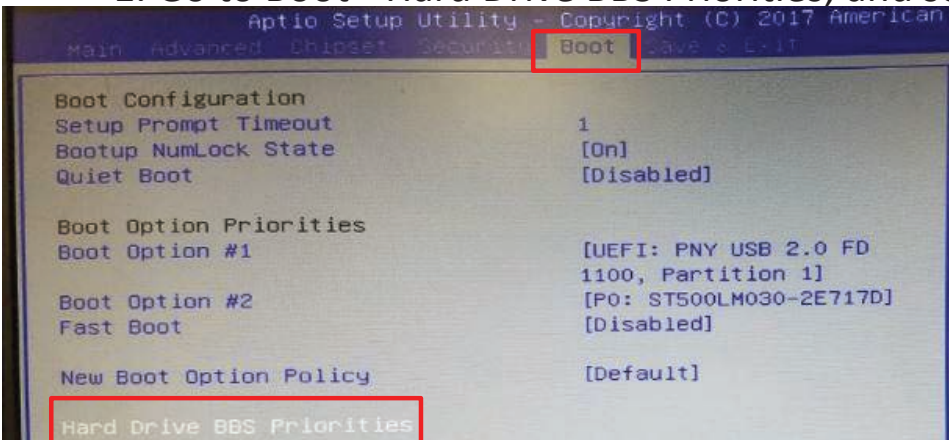
Perform BIOS update

Go to Advanced->PCH-FW Configuration->Firmware Update Configuration, and set Me FW Image Re-Flash "Enabled"

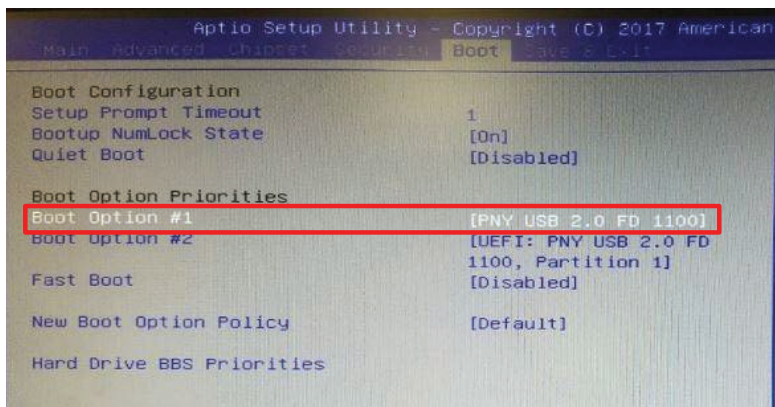


Performa BIOS update

1. Go to Boot->Hard Drive BBS Priorities, and set Boot Option #1 “DOS bootable USB”

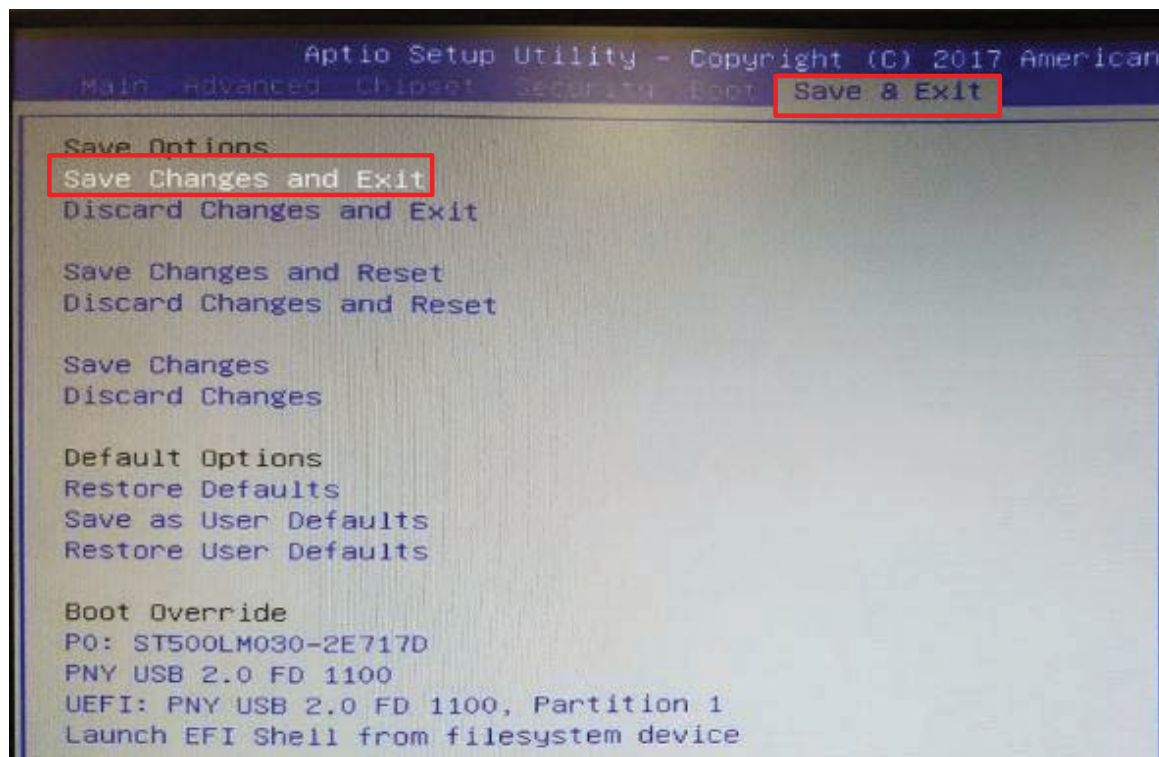


2. Press “ESC”, and set Boot option #1 “DOS bootable USB” boot option Priorities under “Boot” tab.



Perform BIOS update

Go to Save & Exit, and select “Save Changes and Exit”



Perform BIOS update

```
FreeCom version 0.84-pre2 XMS_Swap [Aug 28 2006 00:29:00]
Using US-English keyboard with US-English codepage [437]
C:\>afudos.exe A78500~1.BIN /p /b /n /x /me /r

-----
:               AMI Firmware Update Utility  v5.05.04
:      Copyright (C)2013 American Megatrends Inc. All Rights Reserved.
-----
+
Reading flash ..... done
- ME Data Size checking . ok
- FFS checksums ..... 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
- Update success for /FDT!!
- Update success for /GBE!!
- Update success for /MER!!
WARNING : System must power-off to have the changes take effect!
C:\>_
```

Boot to DOS bootable USB.

Enter the following command:

Afudos.exe **your_bin_file** /p /b /n /x /me /r
(A7850000060V202.BIN)

Wait for the process to complete, and power off the system.

03

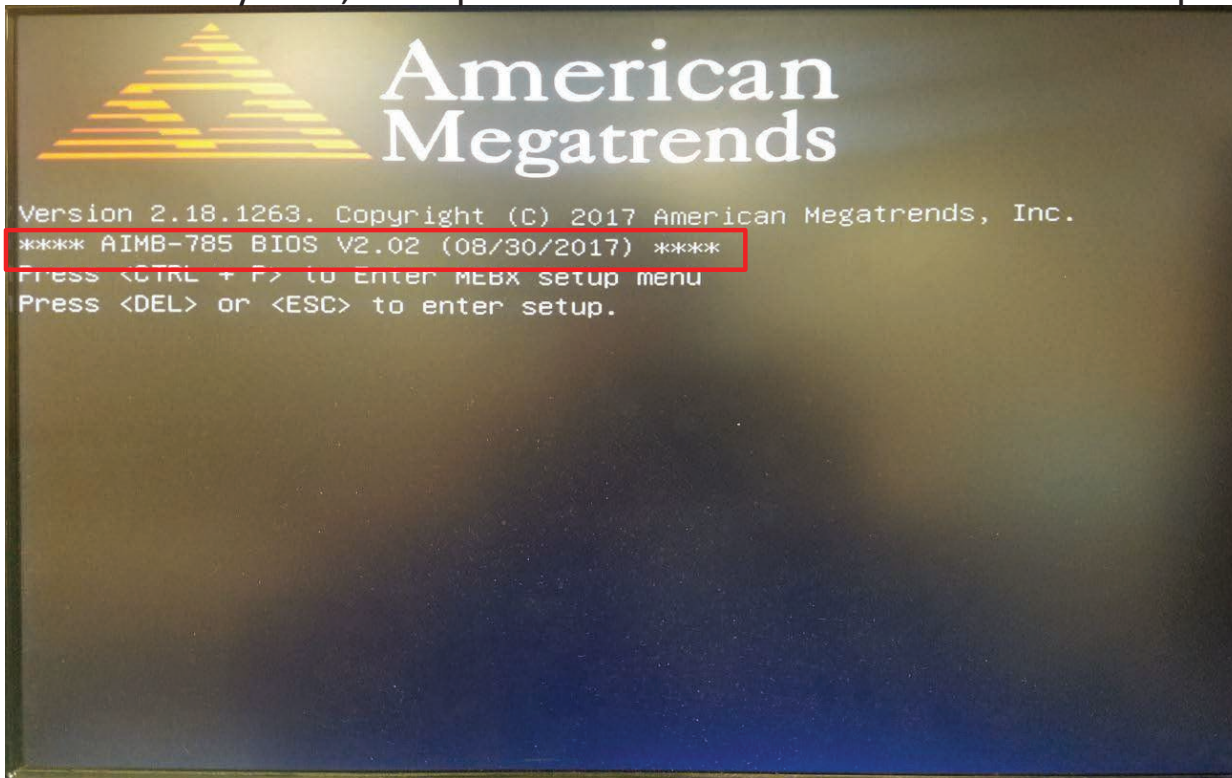
Verify the update
version

LET'S GROW
THE FUTURE TOGETHER.



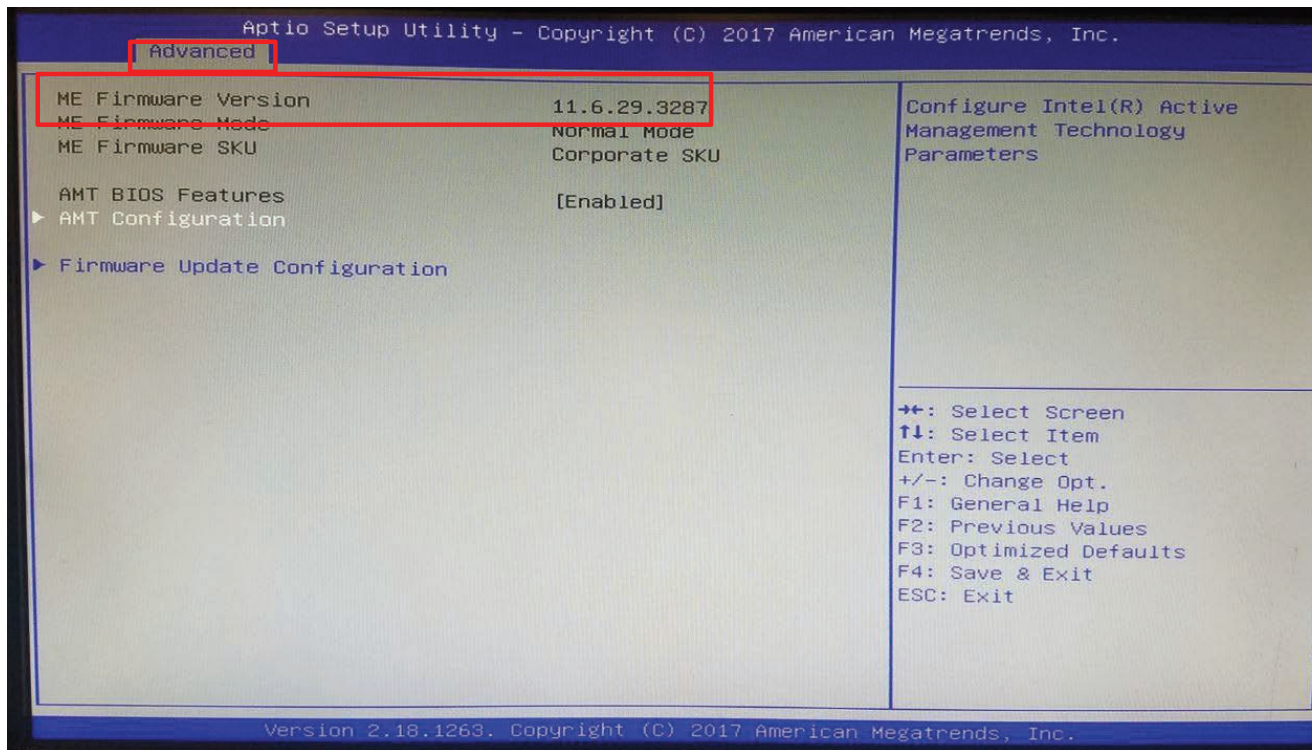
Verify the updated version

Reboot the system, the updated BIOS version can be verified and press “DEL” or “ESC” to enter setup.



Verify the updated version

Go to Advanced->PCH-FW Configuration, and “ME Firmware Version” can be verified.



Thank you

Let's grow the future together

ADVANTECH

LET'S GROW
THE FUTURE TOGETHER.

