

Keysight M9037A BIOS Update Utility

Description

This Keysight M9037A BIOS upgrade utility allows you to restore or update the BIOS in your M9037A PXIe Embedded Controller. As an example, this Update Guide will use BIOS version AG10.

There are three primary steps to updating the BIOS:

- 1) Obtain the M9037A BIOS files from the Keysight M9037A Embedded Controller website.
- 2) Obtain the AMI BIOS Update Tool from American Megatrends.
- 3) Use the AMI BIOS Update Tool to actually update the BIOS in your M9037A controller.

The remainder of this guide provides instructions on obtaining the necessary files and using them to update the M9037A controller BIOS.

NOTE

In order to upgrade the BIOS, you must be logged in the Keysight M9037A Embedded Controller as a single user with Administrator privileges. If you are not, you must logout and then login in again as a single user to an account with Administrator privileges. Set the User Account Control to the default position.

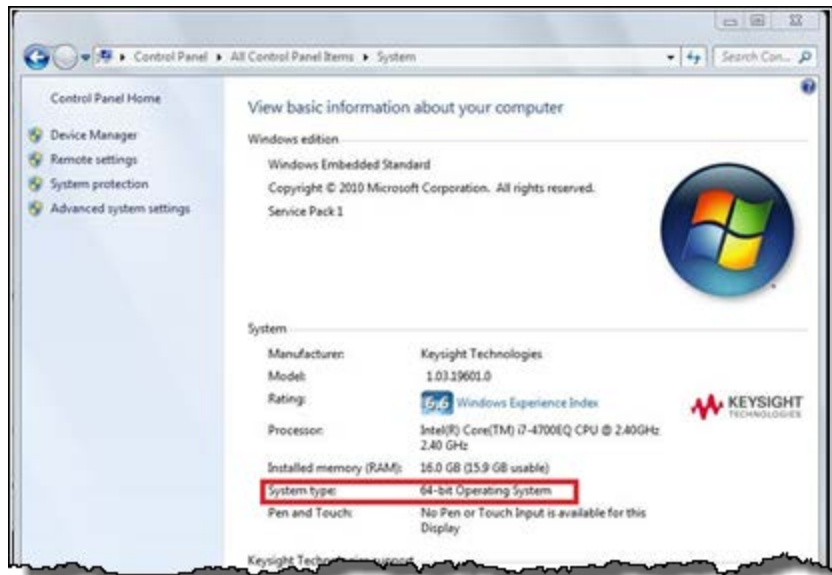
Step 1. Obtain M9037A BIOS Files

- 1) Open your browser to: www.keysight.com/find/M9037A.
- 2) Left-click on **Visit Technical Support**.
- 3) Left-click the tab named **Drivers, Firmware & Software**.
- 4) Select **M9037A BIOS Downloads**.
- 5) Click the **Download** button and save the downloaded zip file.
- 6) Move the zip file to the M9037A desktop and unzip the file.
The following six files are in the AG10 folder:

- 9037A08.rom
- Update_AG08_Winx64.bat
- Update_AG08_Winx86.bat
- History_rev.TXT
- README_BIOS.TXT
- M9037A UPDATE BIOS Instructions.pdf

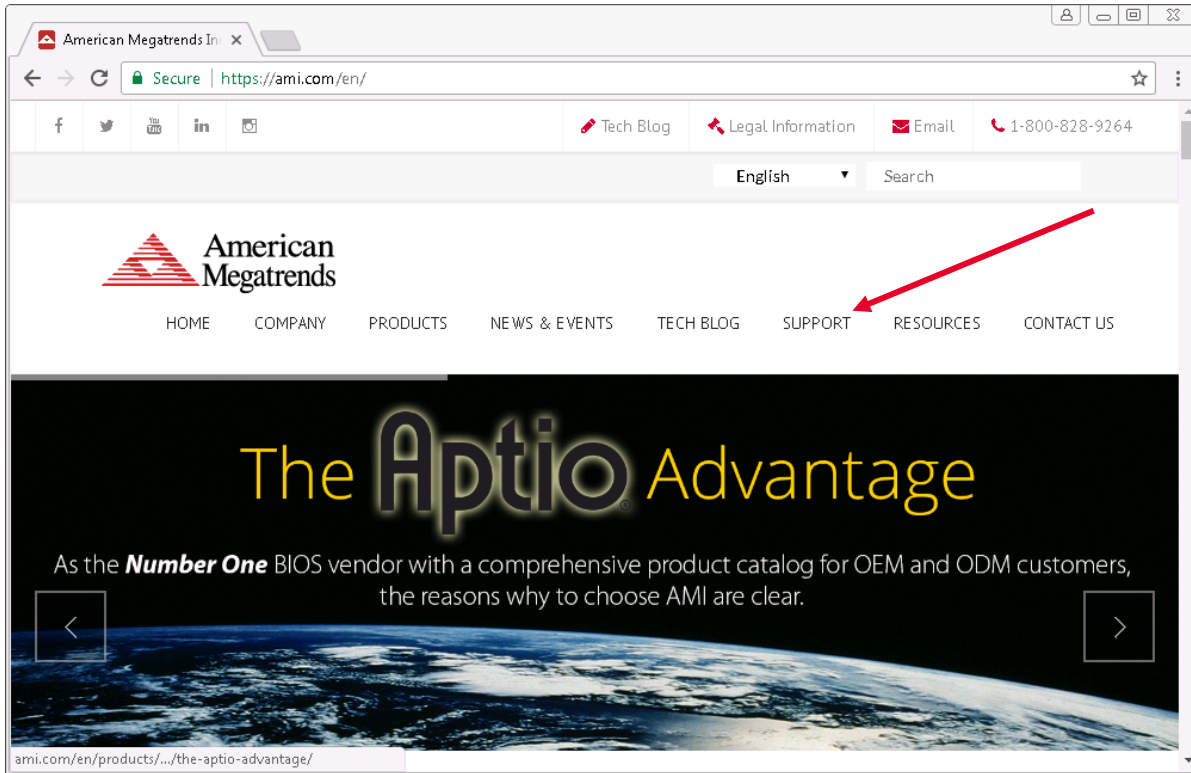
You will use the *.rom file and the *.bat files in Step 3.

- 7) In Steps 2 and 3 you need to know what type of OS is running on the M9037A. Determine whether you have a 32-bit or a 64-bit Operating System. From the Start button: **Start**→**Control Panel**→**System**

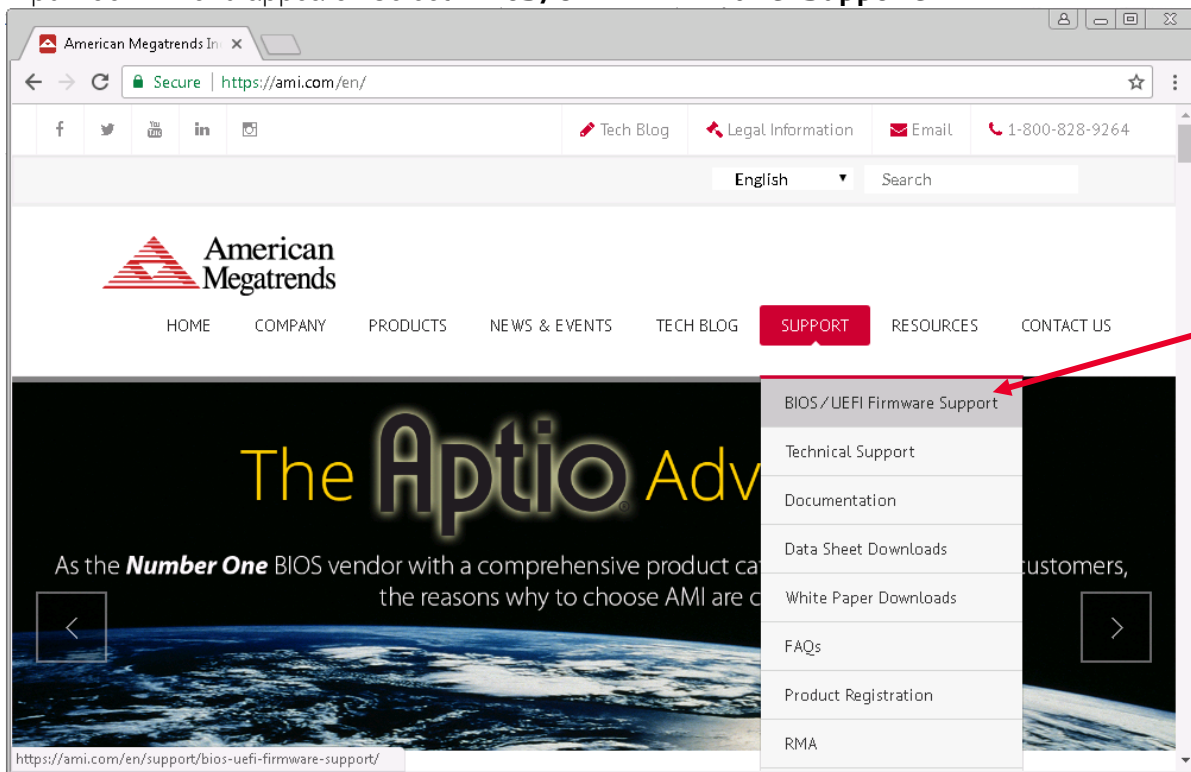


Step 2. Obtain AMI Update BIOS Tool

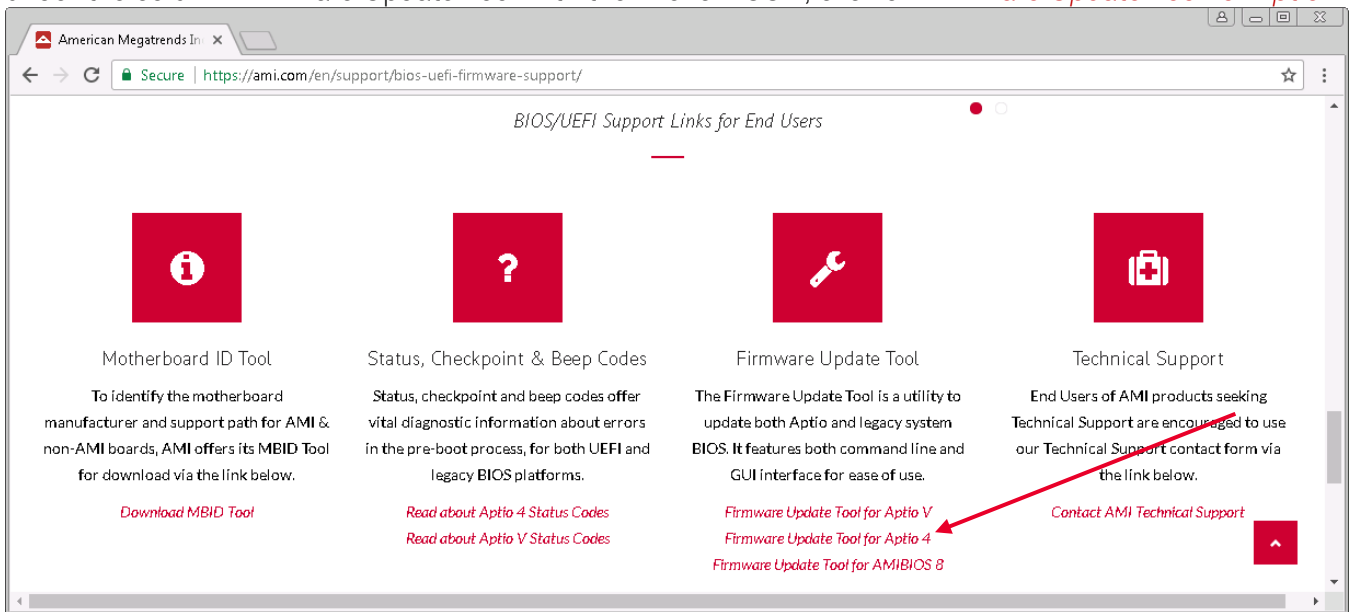
- 1) Open browser to: www.ami.com.
- 2) Left-click the word **“Support”** in the top row of the web page. Note: the screen may look different than the one shown below.



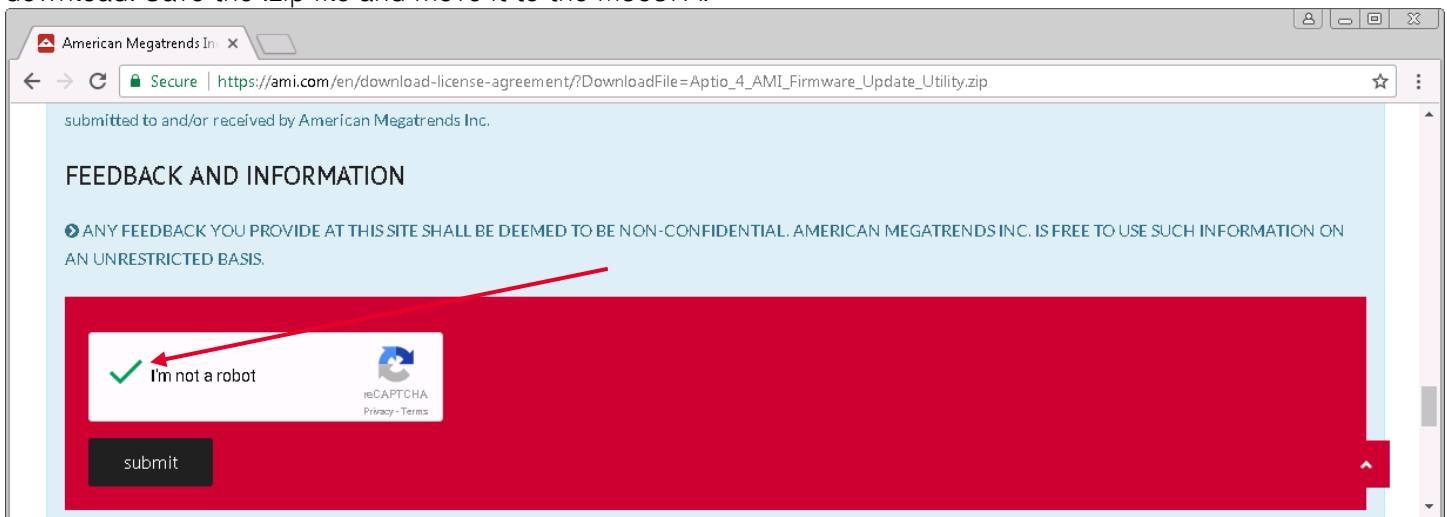
- 3) A pull-down menu appears. Select **“BIOS/UEFI Firmware Support”**.



- 4) Scroll down to near the bottom of the web page to the section *BIOS/UEFI Support Links for End Users*, and under the column *Firmware Update Tool* with the wrench icon, click on *Firmware Update Tool for Aptio 4*.

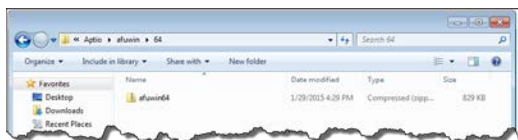


- 5) The License Agreement opens. Scroll down to the bottom and check the box and click on "submit" to start the download. Save the .zip file and move it to the M9037A.

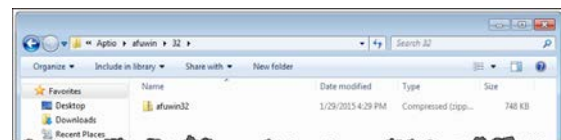


- 6) Unzip the files and then navigate to the "afuwin" folder. There you will find 2 folders: 32 and 64
- 7) Open the appropriate correct folder that matches your M9037A Operating System – either **32** for 32-bit OS or **64** for 64-bit OS:

64 bit OS



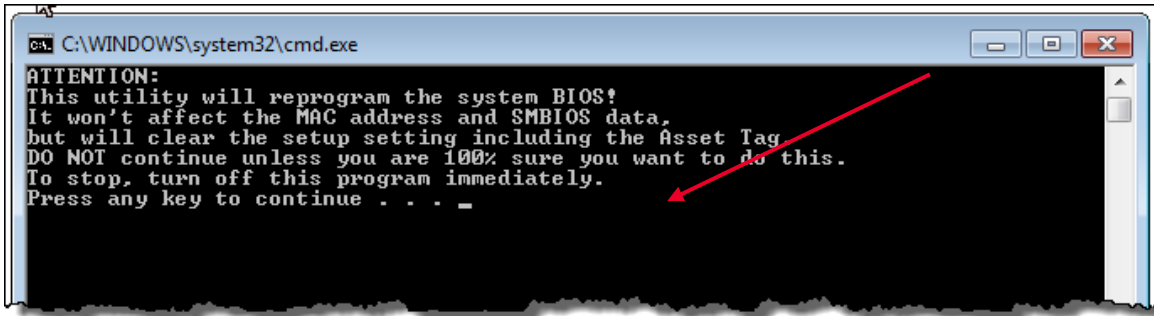
32 bit OS



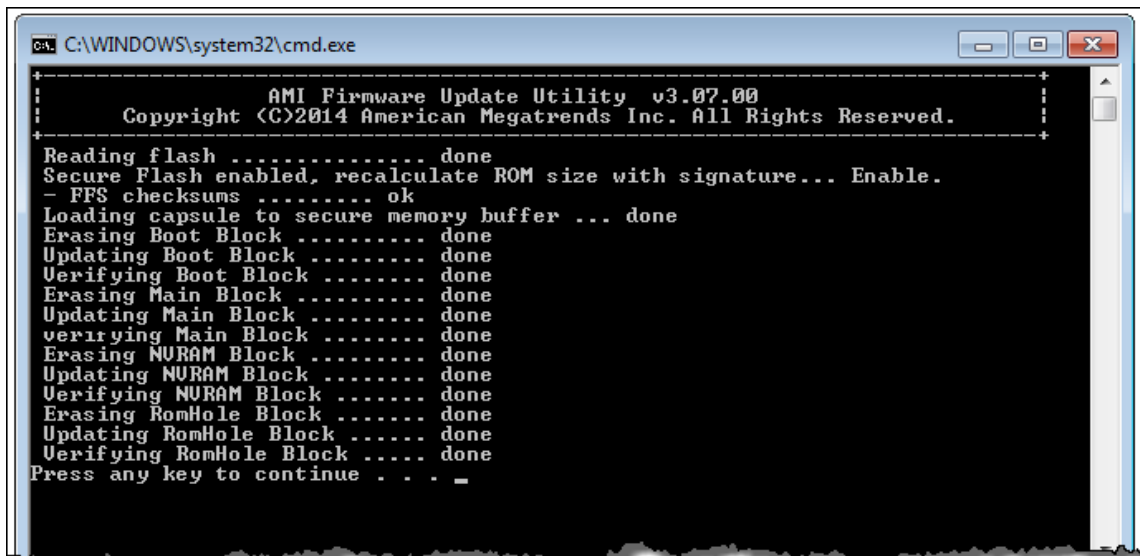
- 8) Copy the zip file (**afuwin64.zip** or **afuwin32.zip**) to the M9037A desktop. Unzip the zip file then navigate to the folder just created. You will use this folder in Step 3.

Step 3. Update the M9037A BIOS

- 1) On the M9037A, copy the *.rom and *.bat files (obtained in Step 1-7) to the folder you just navigated to in Step 2-8.
- 3) If 64 bit OS then double left-click on **Update_AG08_Winx64.bat** file.
- 4) If 32 bit OS then double left-click on **Update_AG08_Winx86.bat** file.
- 5) A Command window opens as shown below:



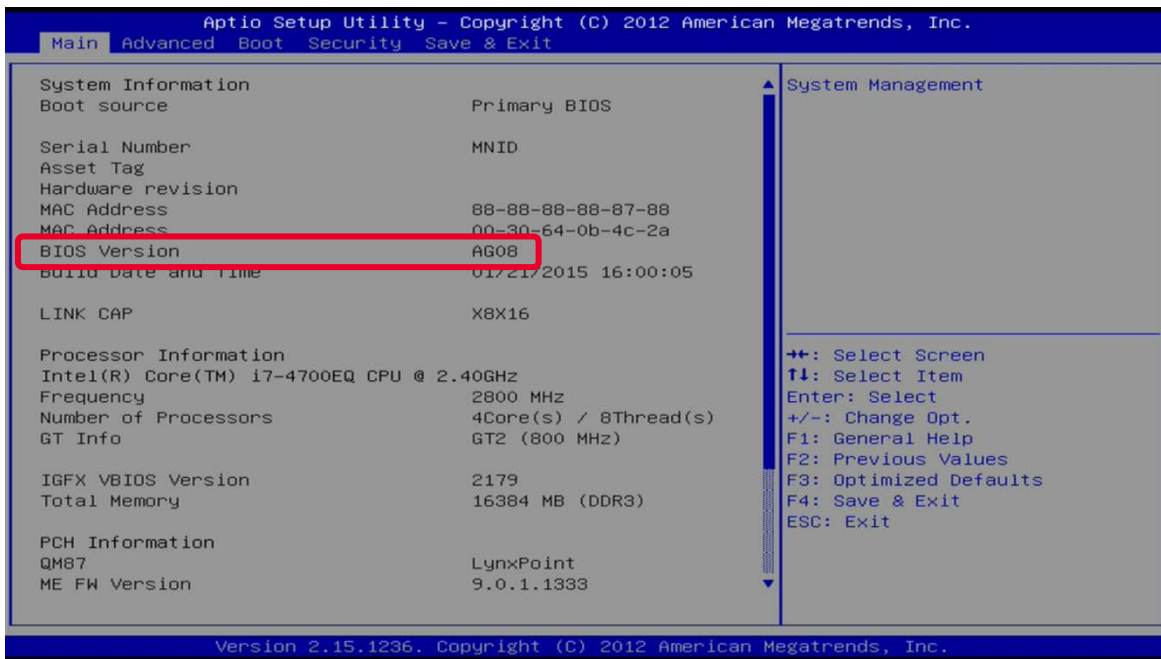
- 6) Press any key to continue.



- 7) Press any key to continue. This closes the Command window. The BIOS update procedure is complete after rebooting.

Verify BIOS Version

- 1) Restart M9037A.
- 2) When the M9037A beeps Press the DEL key several times to enter the Setup Menu.
- 3) Ensure that the BIOS version is the correct BIOS version. This example shows AG08.



This information is subject to change without notice.

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<http://www.keysight.com>