BIOS Update Guide

Keysight M9037A BIOS Update Utility

KEYSIGHT TECHNOLOGIES

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 AG08.

There are three primary steps to updating the BIOS:

Step 1. Obtain the M9037A BIOS files from the Keysight M9037A Embedded Controller website.

Step 2. Obtain the AMI BIOS Update Tool from American Megatrends.

Step 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 user with Administrator privileges. If you are not, you must logout and then login in again as a user to an account with Administrator privileges. Set the User Account Control to the default position.

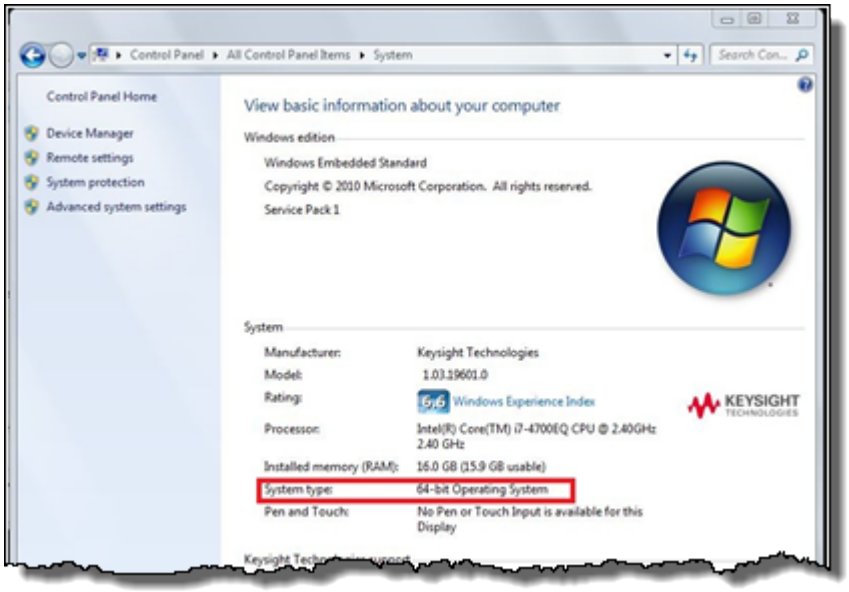
Step 1. Obtain M9037A BIOS Files

1) Open your browser to: www/keysight.com/find/M9037A.
2) Click on **Visit Technical Support**.
3) Click the tab named **Drivers, Firmware & Software**.
4) Select **M9037A BIOS Downloads**.
5) Click the **Download** button. Select the desired BIOS.
6) Click the **Save As...** button. Save the .zip file to the PC Desktop.
7) From the PC Desktop, right click on the BIOS .zip file. Choose **Extract All...** then click **Extract**. A folder is created on the PC desktop with the same name as the .zip file. A File Explorer window opens displaying the contents of the folder. The ***.rom** and ***.bat** files will be used in Step 3 later.

   The following six files should be in the AG08 folder:

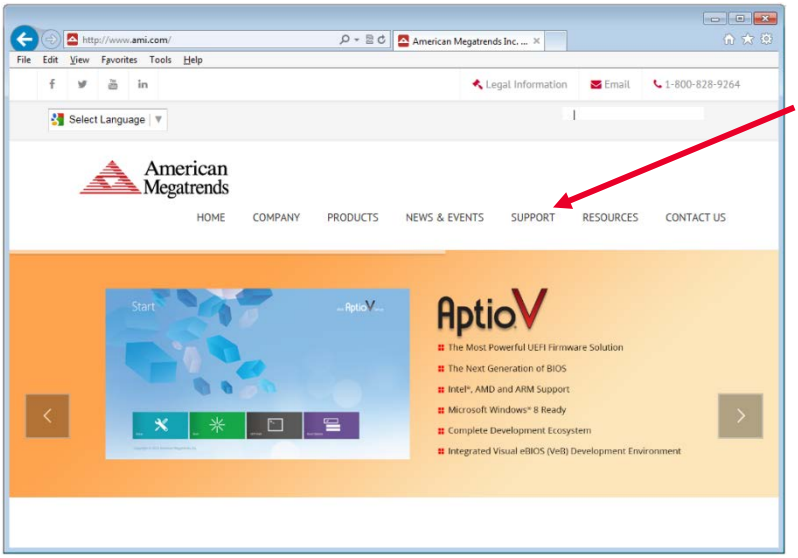
   - 9037A08.rom
   - Update_AG08_Winx64.bat
   - Update_AG08_Winx86.bat
   - History_rev.TXT
   - README_BIOS.TXT
   - M9037A BIOS Update Procedure.pdf (this document)

8) Determine whether you have a 32-bit or a 64-bit Operating System. From the Start button: `Start→Control Panel→System`

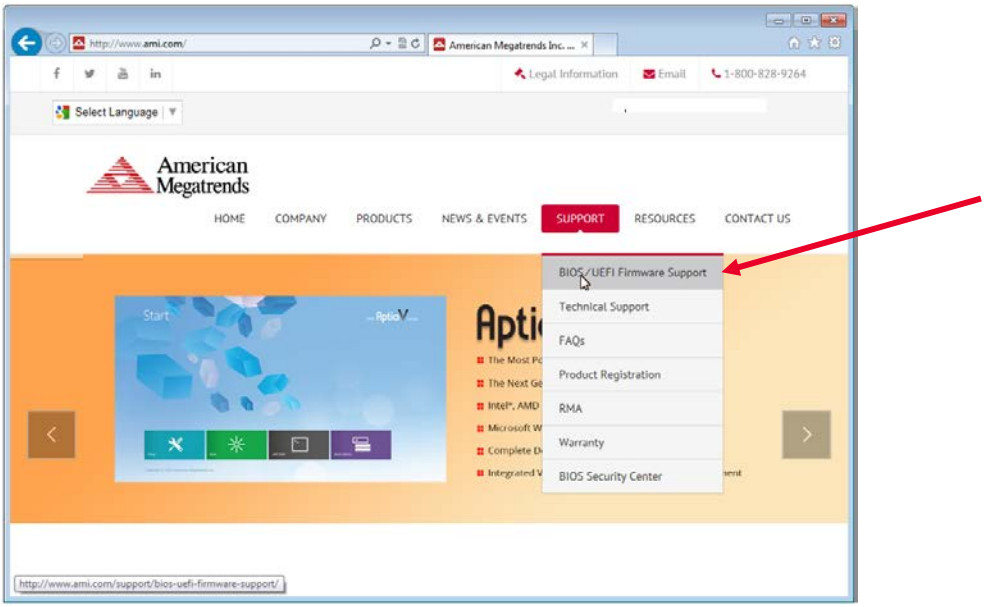


Step 2. Obtain AMI Update BIOS Tool

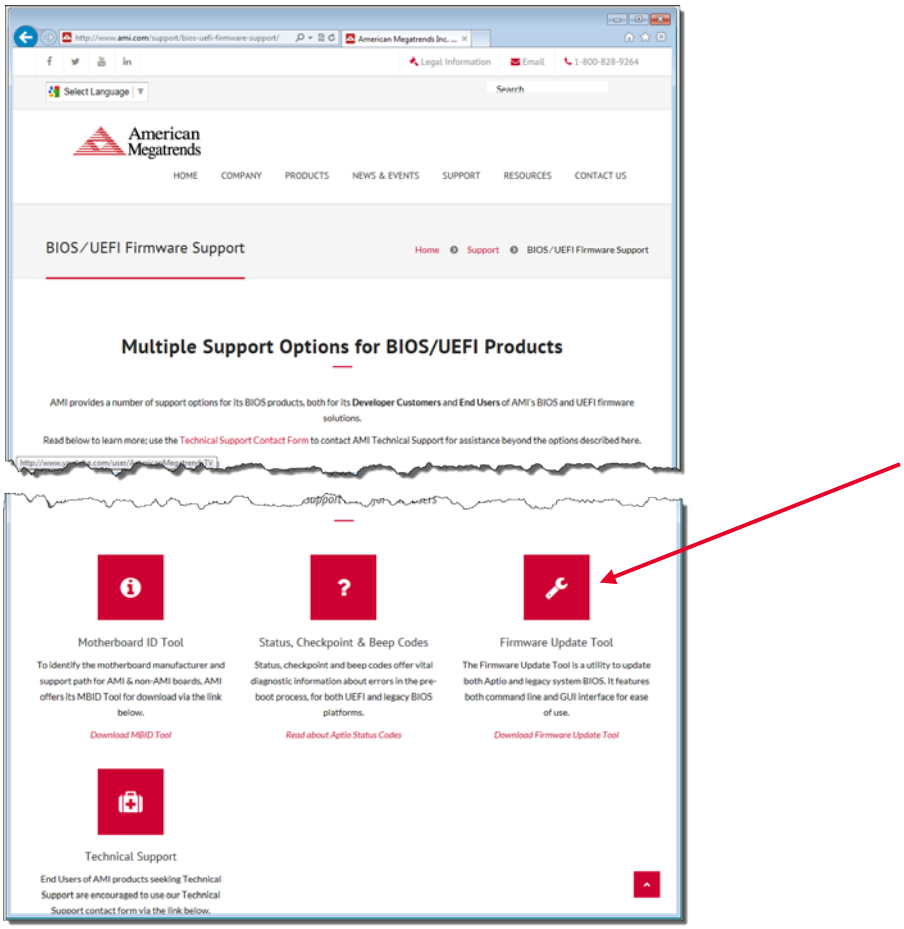
1) Open browser to: www.ami.com.
2) Mouse-over - the word "**Support**" in the top row of the web page. Note: the screen may look different that the one shown below.



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



4) The following screen displays. Scroll down to near the bottom of the web page.



5) Left click on "**`Firmware Update Tool`**".

6) This license agreement opens next. You should read the license agreement prior to agreeing to it. Scroll down to near the bottom of the License Agreement web page.

7) Click the black box "**Click here to agree to license agreement and begin your download**".

8) When the following dialog appears, click "**Save As**".

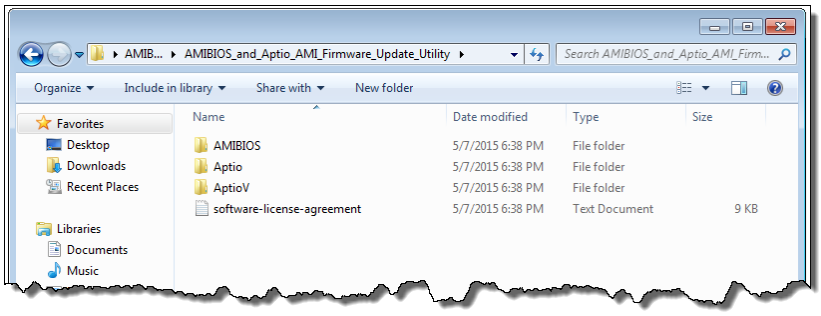
9) Save the .zip file to the M9037A PC DeskTop.

10) The .zip file will download. Look for the **AMIBIOS_and_Aptio_AMI_Firmware_Update_Utility.zip** icon on your PD'c desktop.

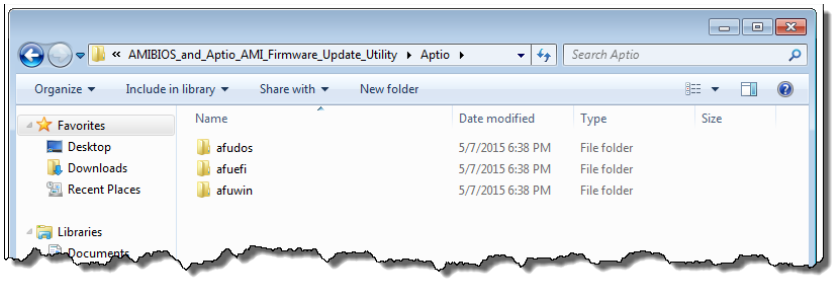
11) Right-click on icon and choose "**Extract All**".

12) Use the default destination folder. Left-click the "**Extract**" button.

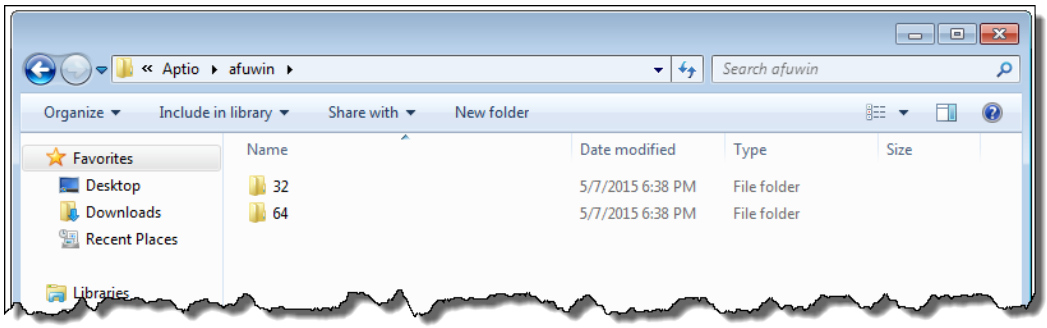
13) When it is finished extracting the files, Windows File Explorer opens showing the folder contents.



14) Open the **`Aptio`** folder.

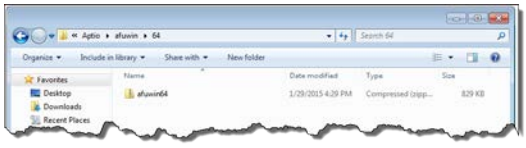


15) Open folder **`afuwin`**.



16) 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

17) Copy the zip file (**`afuwin64.zip`** or **`afuwin32.zip`**) to the M9037A desktop:

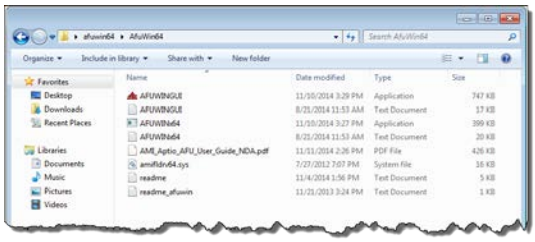
18) On your desktop, right click on the .zip file and choose **Extract All...**.

19) Use the default destination folder. Left-click the **Extract** button.

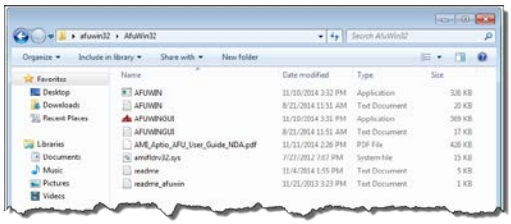
20) If you M9037A has a 64 bit OS then navigate to folder **`AfuWin64`** else navigate to folder **`AfuWin32`**.

21) Open the folder.

64 bit OS



32 bit OS

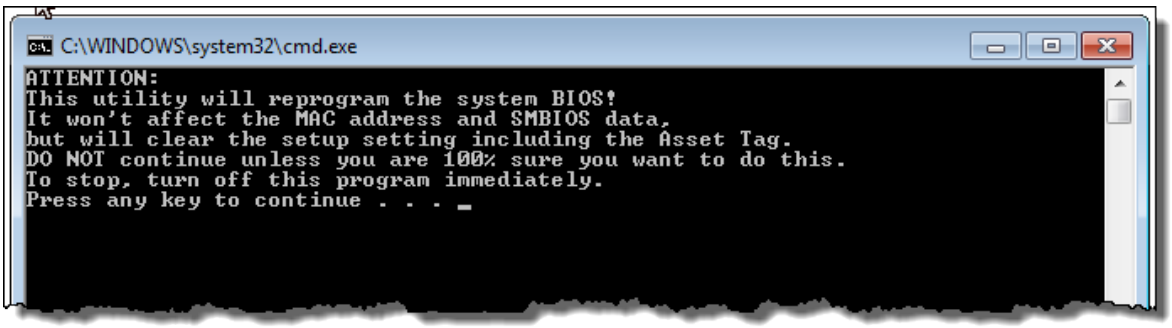


Step 3. Update the M9037A BIOS

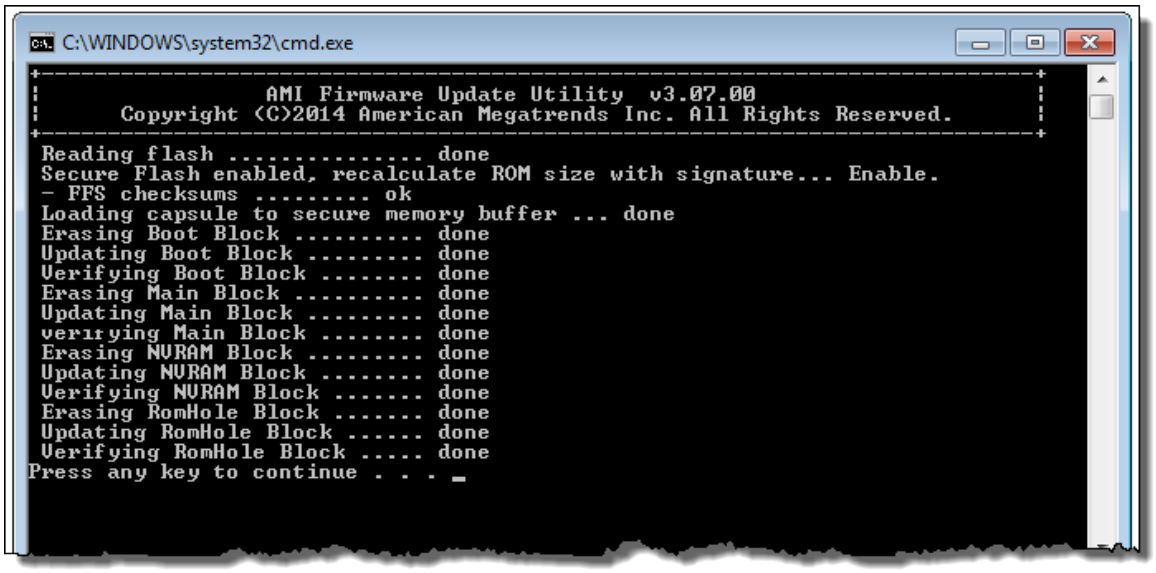
1) If your M9037A has a 64 bit OS then:
   a) copy the **`*.rom`** and **`*.bat`** files (obtained in Step 1 earlier) files from M9037A_AG08 to the AfuWin64 folder.
   b) double left-click on **`Update_AG08_Winx64.bat`** file.

2) If your M9037A has a 32 bit OS then:
   a) copy copy the **`*.rom`** and **`*.bat`** files (obtained in Step 1 earlier) files from M9037A_AG08 to the AfuWin32 folder.
   b) double left-click on **`Update_AG08_Winx86.bat`** file.

3) A Command window opens as shown below:



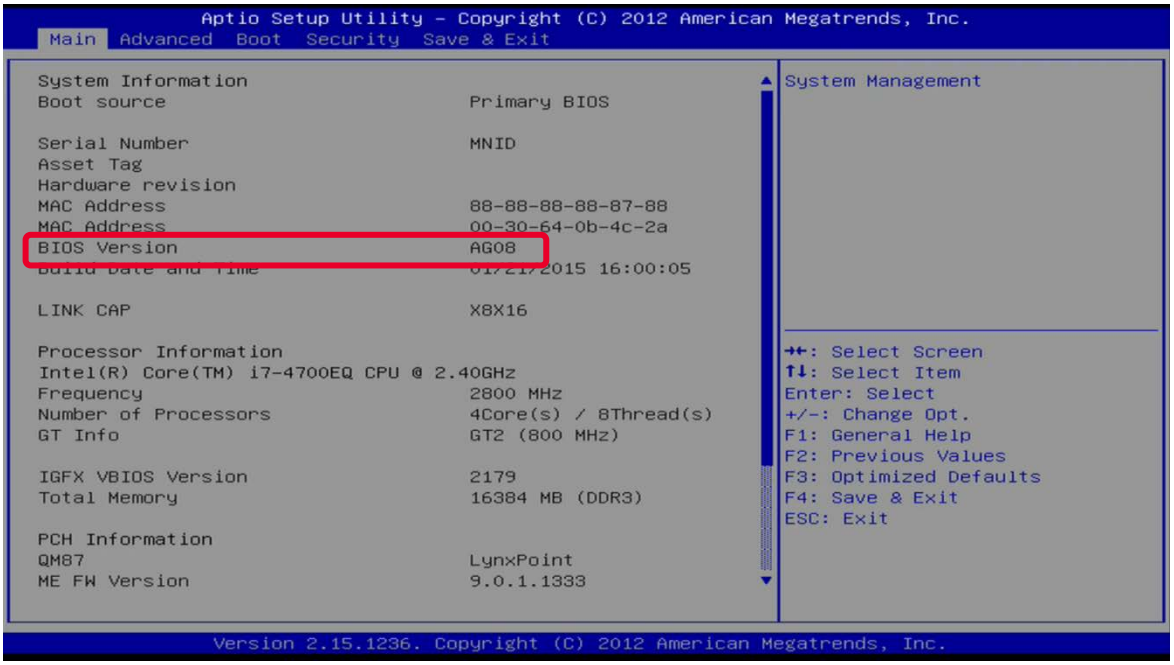
4) Press any key to continue.



5) Press any key to continue. This closes the Command window. The BIOS update procedure is complete. You should verify the BIOS version as described on the following page.

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.



4) Exit the BIOS Setup Menu

This information is subject to change without notice.
© Keysight Technologies 2015
Edition 1, May 2015
Published in U.S.A.

M9037-90027
http://www.keysight.com

KEYSIGHT TECHNOLOGIES