

BIOS (9003) Update Instruction for the Vig800s Motherboard PMPAS800- VIG800S

- Before initiating a BIOS and ME firmware update, be sure to read and precisely follow the instructions included in this document.
- If a BIOS update process is interrupted or the incorrect BIOS are flashed, your system may not function properly and can possibly damage the motherboard.
- Before updating the BIOS on the Viglen Desktop Board, manually record all BIOS settings that have been changed (from default) so they can be restored after completing the BIOS update

Before updating the BIOS 9003 following must be checked first in BIOS setup:

- Check the ME Firmware.

IMPORTANT:

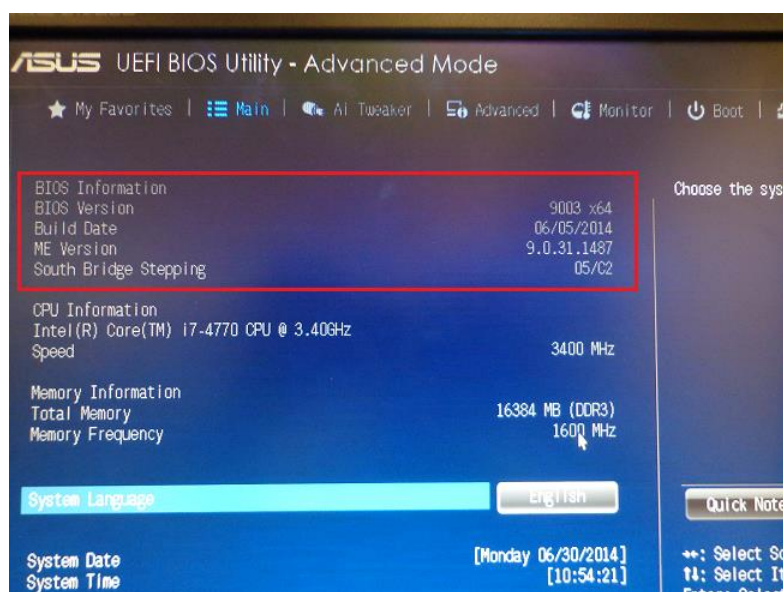
If the system is configured with ME firmware version **9.0.31.1487 plus** then ME firmware update is **not** required.

If the ME Firmware version is below 9.0.10.1372 or below then ME firmware version needs to be updated firsts before updating the BIOS.

Identifying BIOS and ME Firmware

To identify BIOS and ME firmware versions on the system, carry out following steps.

1. During boot, enter the BIOS setup by pressing **Delete** key.
2. Press **F7** for **Advanced Mode**.



BIOS details under Advanced Mode

Following two steps need to be carried out if ME firmware version is below 9.0.31.1487

1. Update ME_Firmware_5M_1487

ME Version: **9.0.31.1487**

2. Update BIOS_9003V

BIOS Details: Version **9003**

BIOS Date: **06/05/2014**

BIOS is configured with default BIOS settings for Windows 7 O/S

BIOS Notes: Supports Haswell Refresh CPU's

Steps 1 – Update ME Firmware to version - 9.0.31.1487.

ME Firmware version update Instructions under DOS:

1. Save zipped file to a temporary directory.
2. Extract the necessary files.
3. Copy the contents of the file to a bootable USB or CD-ROM drive formatted using FAT32/16 on a single partition.
4. Boot the target PC with the device connected or inserted.
5. Select <F8> during POST to display the Boot Menu and select your bootable device.
6. At the DOS prompt Type '**UpdateME.bat**' to launch the ME firmware updates process.
7. System will reboot after update has been completed.

After updating the ME Firmware next step is to update the BIOS.

There are up to four methods of updating BIOS to the latest Viglen approved version. The number of options made available for any particular board may vary depending on BIOS Support, drive support, and BIOS update file size. You only need to use one.

- DOS BIOS Updater
- EZ-Flash 2 Update
- Recovering the BIOS - CrashFree BIOS 3 (recover corrupted BIOS)
- Windows\WinPE BIOS Update

BIOS Update Instructions under DOS:

1. Save BIOS update zipped file to a temporary directory.
2. Extract the necessary files.
3. Copy the contents of the file to a bootable USB or CD-ROM drive formatted using FAT32/16 on a single partition.
4. Boot the target PC with the device connected or inserted.
5. Select <F8> during POST to display the Boot Menu and select your bootable device.
6. At the DOS prompt Type 'Flash.bat' to launch the BIOS updates process.
7. Reboot the system once complete.
8. Enter the BIOS Setup and Ensure to load the BIOS default settings to ensure system compatibility and stability. Select the Load Optimized Defaults item under the Exit menu.

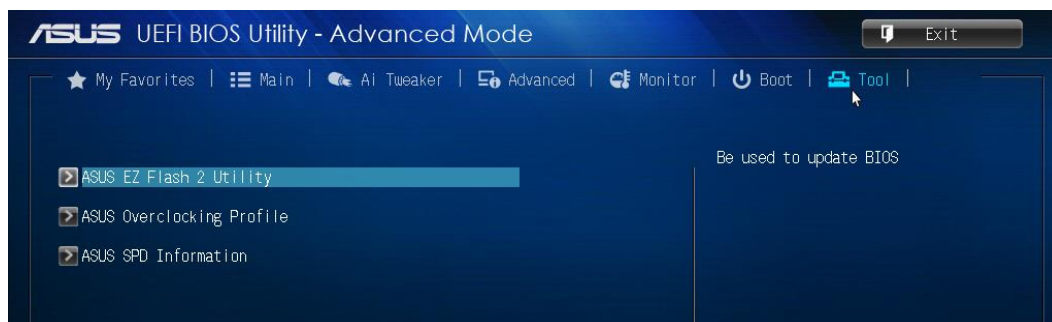
IMPORTANT!!!!!!

During the update process **DO NOT** shut down the PC or interrupt the process, this could cause damage to the motherboard.

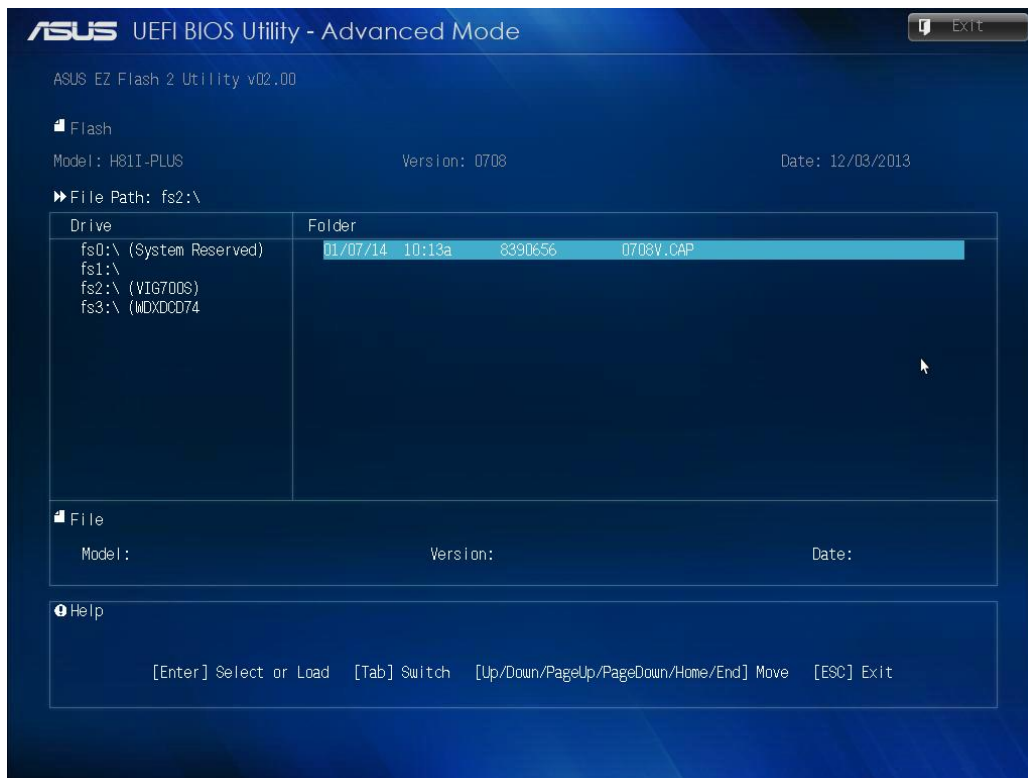
BIOS Update Instructions using EZ-Flash Method:

For this method you will require a Flash USB device and required BIOS file.

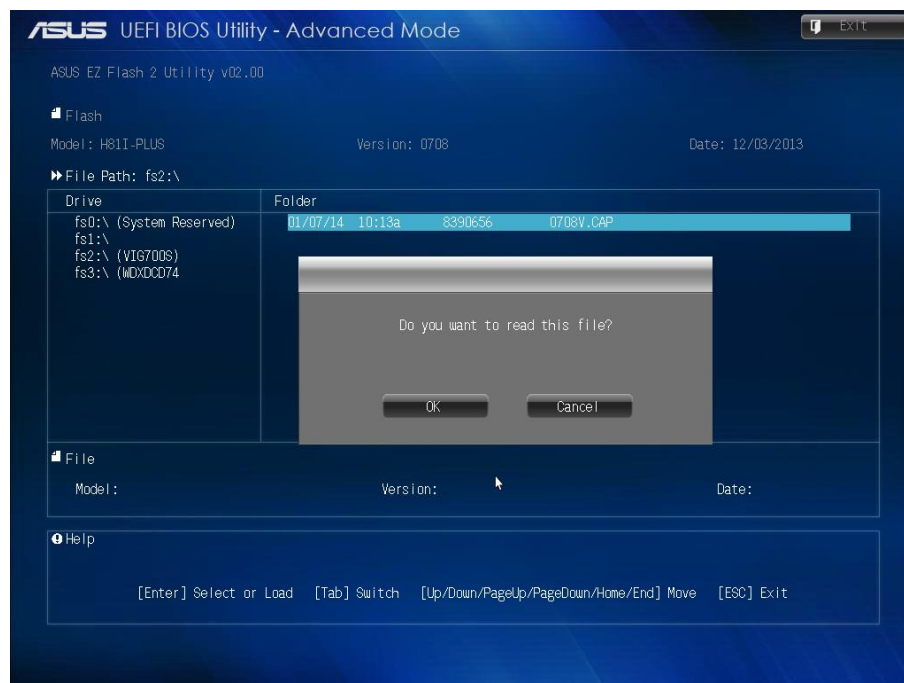
1. Insert the USB flash disk that contains the latest BIOS file to the USB port.
2. Select or <F2> to Load BIOS Setup.
3. Enter the **Advanced Mode (F7)** of the BIOS setup program. Go to the **Tool** menu to select **ASUS EZ Flash Utility** and press <Enter> to enable it.



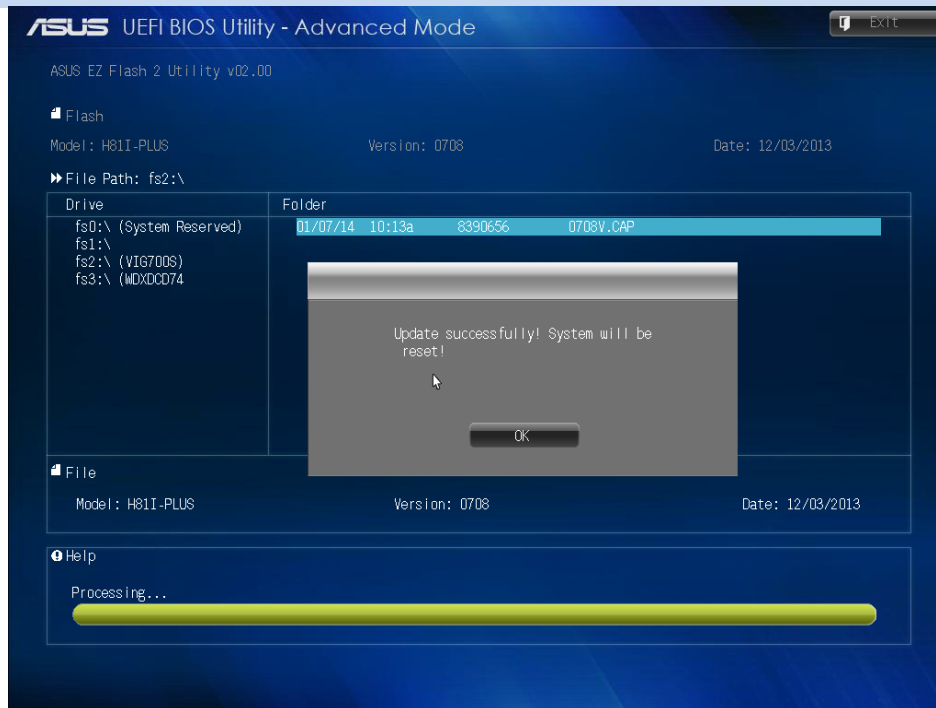
- Press the Up/Down arrow keys to find the USB flash disk that contains the latest BIOS, and then press <Enter>.



- Select the correct BIOS file, and then press <Enter> to perform the BIOS update process.



- Reboot the system when the update process is completed.



7. After restarting load BIOS setup menu by pressing or <F2> key.

8. Load Default BIOS settings by pressing <F5> key.



9. Press F10 to Save and Exit.

Note:

- This function supports USB flash disks formatted using FAT32/16 on a single partition only.
- Ensure to load the BIOS default settings to ensure system compatibility and stability. Select the Load Optimized Defaults item under the Exit menu. .

IMPORTANT!!!!!!

During the update process DO NOT shut down the PC or interrupt the process, this could cause damage to the motherboard.

Recovering the BIOS - CrashFree BIOS 3

The CrashFree BIOS 3 is an auto recovery tool that allows you to restore the BIOS when it fails or gets corrupted during the updating process. You can restore a corrupted BIOS file using the motherboard support DVD or a USB flash drive that contains the updated BIOS file.

Before using this utility, rename the BIOS file in the removable device into
Q87ME.CAP

To recover the BIOS:

1. Turn on the system.
2. Insert the support DVD to the optical drive or the USB flash drive that contains the BIOS file to the USB port.
3. The utility automatically checks the devices for the BIOS file. When found, the utility reads the BIOS file and enters ASUS EZ Flash 2 utility automatically.
4. The system requires you to enter BIOS Setup to recover BIOS settings. To ensure system compatibility and stability, we recommend that you press <F5> to load default BIOS values.



DO NOT shut down or reset the system while updating the BIOS! Doing so can cause system to fail!

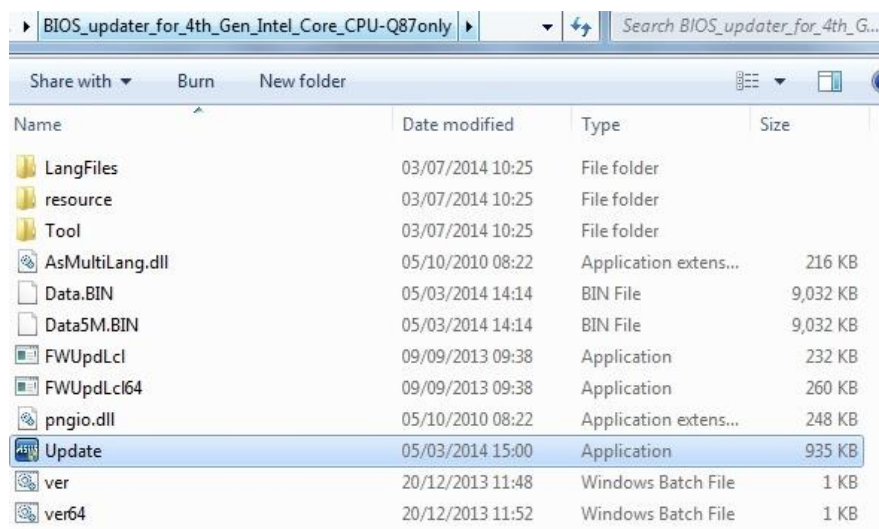
Windows BIOS Update

BIOS_updater_for_4th_Gen_Intel_Core_CPU-Q87only

Before using the BIOS updater tool under please ensure the CPU is 4th Generation Core processor.

Windows

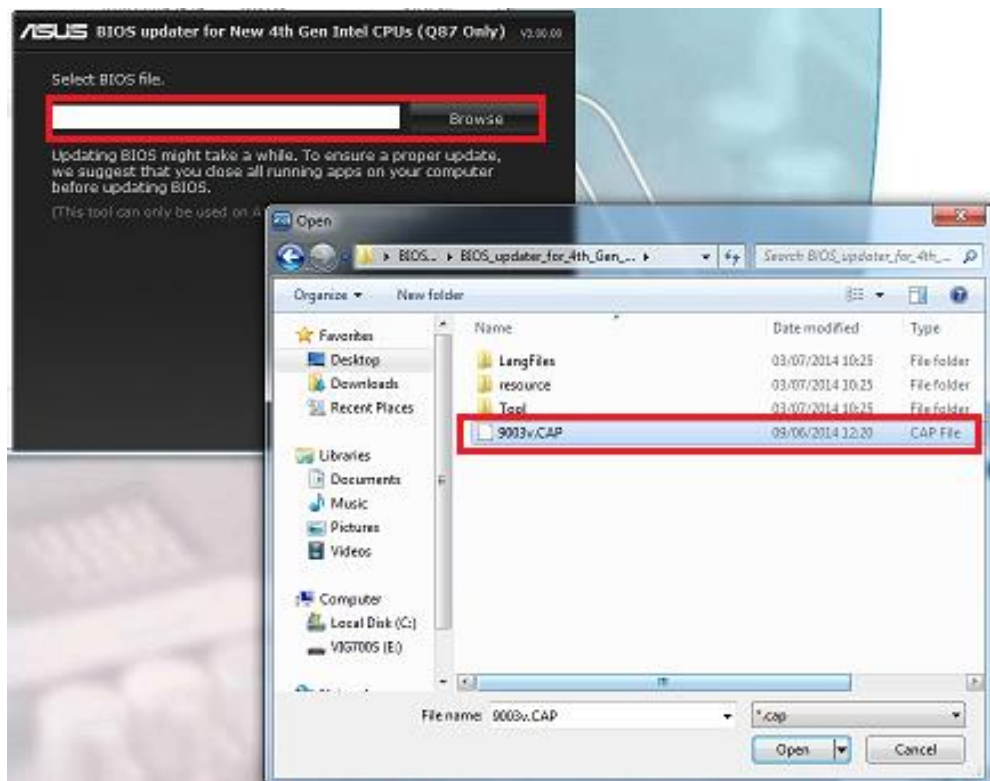
1. Save the BIOS update file to a temporary directory.
2. Extract necessary files.



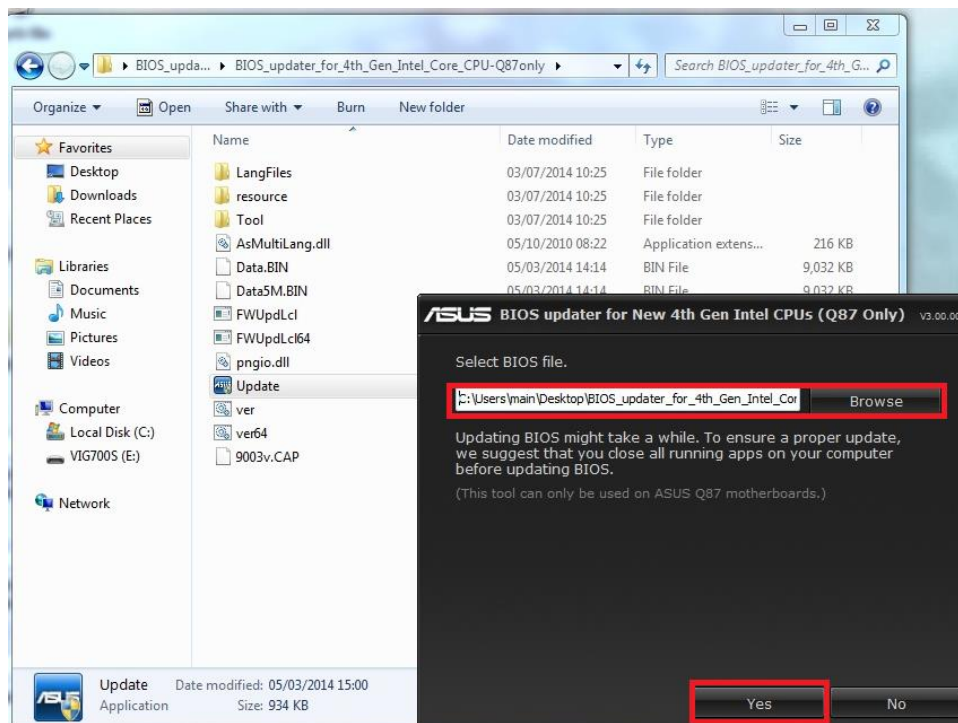
3. Run 'Update. to start the update process



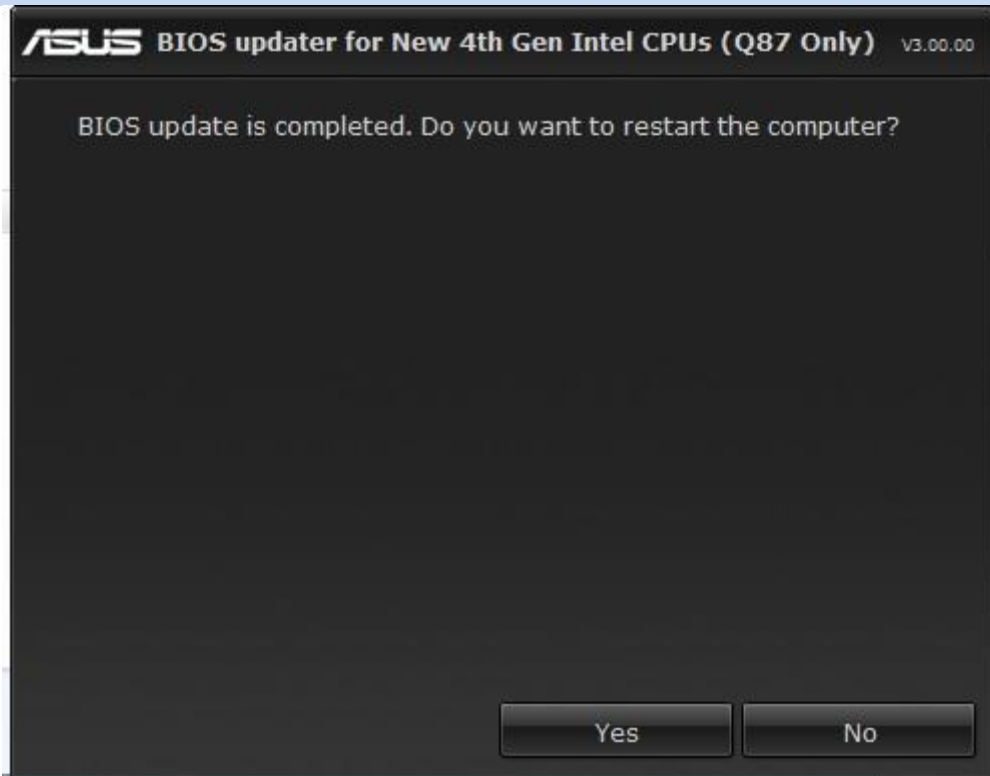
4. Click on browse and select the BIOS file.



5. Select 'Yes' to start the BIOS update process.



6. After BIOS has been updated Select 'Yes' to restart the system



CAUTION!!! DO NOT POWER DOWN YOUR SYSTEM before the update is completed.

Latest BIOS files and Utility are available from Viglen FTP site:
<http://download.viglen.co.uk/files/Motherboards/Vig800S/>

Additional information:

For BIOS, Drivers and Documentation enquiries please contact Viglen Technical Support Department at technical@viglen.co.uk.

Remember to include your PC serial number in all correspondence.