# BIOS Update Instruction for the Vig690M Motherboard
# PMPMS690- Viglen VIG690M

- Before initiating a BIOS 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 is 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

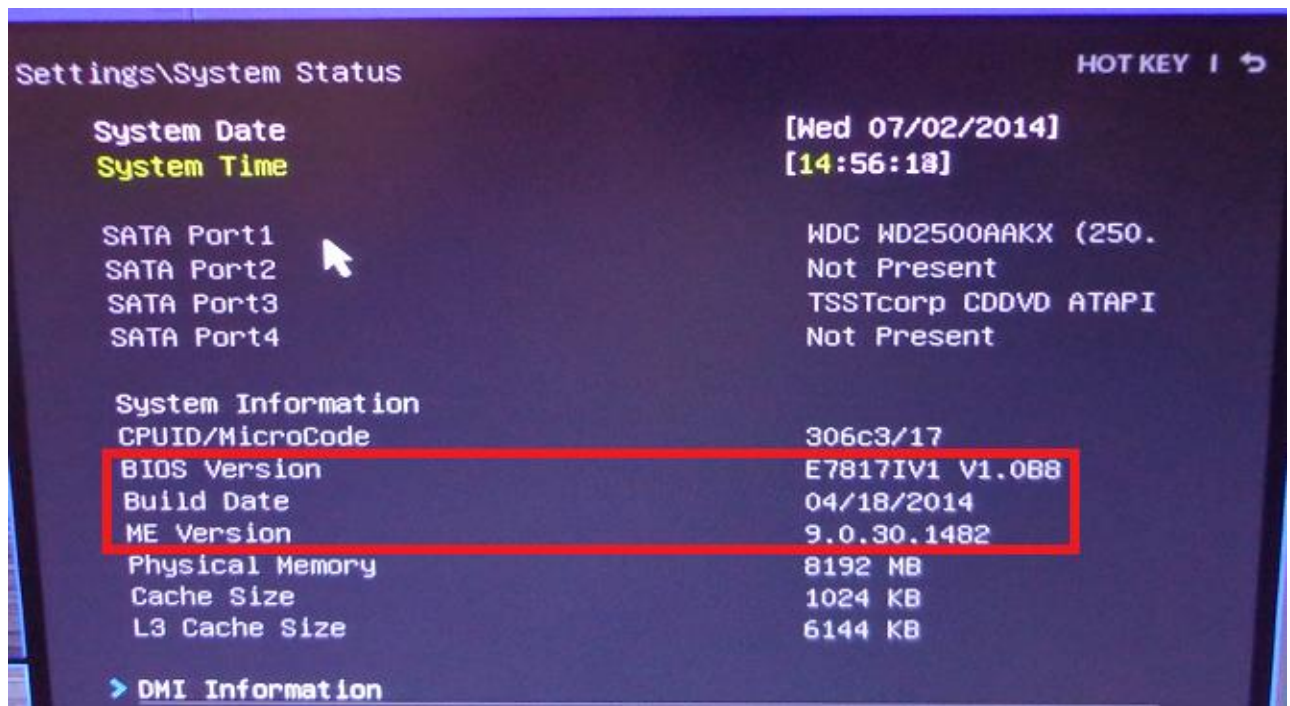## Before updating the BIOS following must be checked first:

> **Check the version of the ME Firmware in BIOS setup.**

**Identifying BIOS and ME Firmware**

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

1. Press the **<Delete>** or **<F1>** key during POST checks to enter the BIOS setup.
2. Select **<Settings>**
3. Select **<System Status>**

Under System Information BIOS version and ME version details are displayed.



**ME Version detail.**

If the ME Version is: 9.0.10.1372 following BIOS file must be used.

BIOS_ Update_for_ME_Firmware_9.0.10.1372

➢ **Win7_E7817IV1_V1.0B5**
➢ **Win8_E7817IV1_V1.10B3**


For ME Version 9.0.10.1482 following BIOS file must be used:

BIOS_ Update_for_ME_Firmware_9.0.10.1482

➢ **Win7_E7817IV1_10B8**
➢ **Win8_E7817IV1.10B7**

**Note: ME version 9.0.10.1482 supports Haswell Refresh CPU's.**

There are up three 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 Update
- M-Flash Update
- Windows\WinPE BIOS update


# BIOS Update Instructions using Bootable USB key:

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 floppy disk, USB device or CD-ROM.

4. Boot the target PC with the device connected or inserted.

5. Select **<F11>** during POST to display the Boot Menu and select your bootable device.

6. Type 'Flash.bat' to launch the BIOS update process.

7. Reboot the system once complete.

8. Enter the BIOS Setup and select Restore defaults. Then save and exit.

**IMPORTANT!!!!!**
During the update process DO NOT shut down the PC or interrupt the process, this could cause damage to the motherboard.
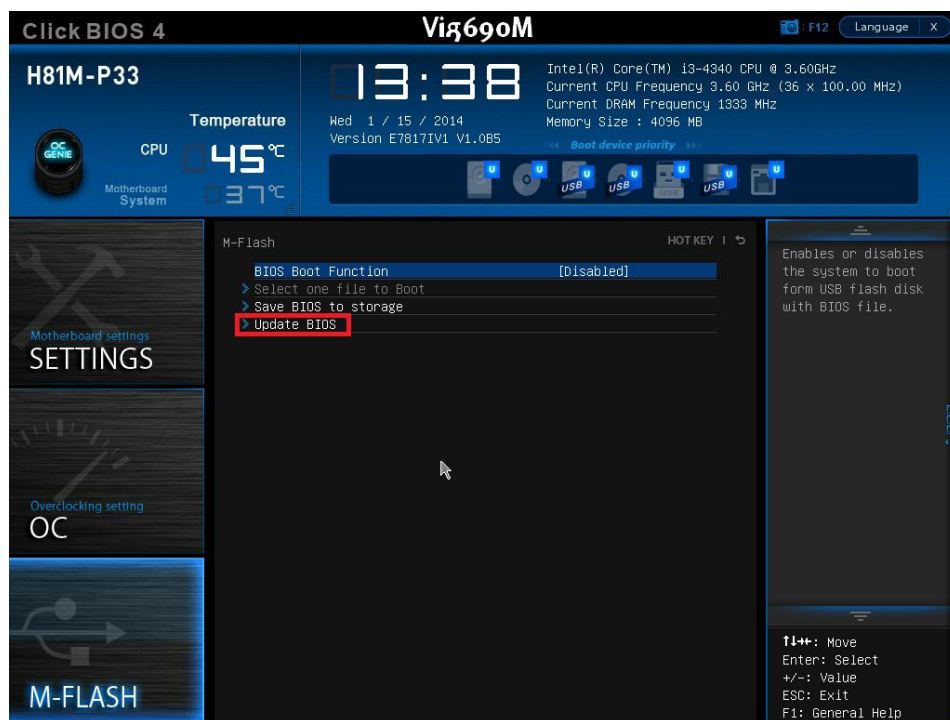
# BIOS Update Instructions using M-Flash Method:

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

- *This function supports USB flash disks formatted using FAT32/16 on a single partition only.*

- *Ensure BIOS file is copied onto root of the USB media.*

1. Save BIOS update zipped file to a temporary directory.

2. Extract the BIOS file.

3. Copy the BIOS file to a USB device (make sure the BIOS file is on the root directory of the flash drive)

4. Boot the target PC with the device connected or inserted.

5. Press the **<Delete>** or **<F1>** key during POST checks to enter the BIOS.

6. Select M-Flash from the BIOS setup menu.
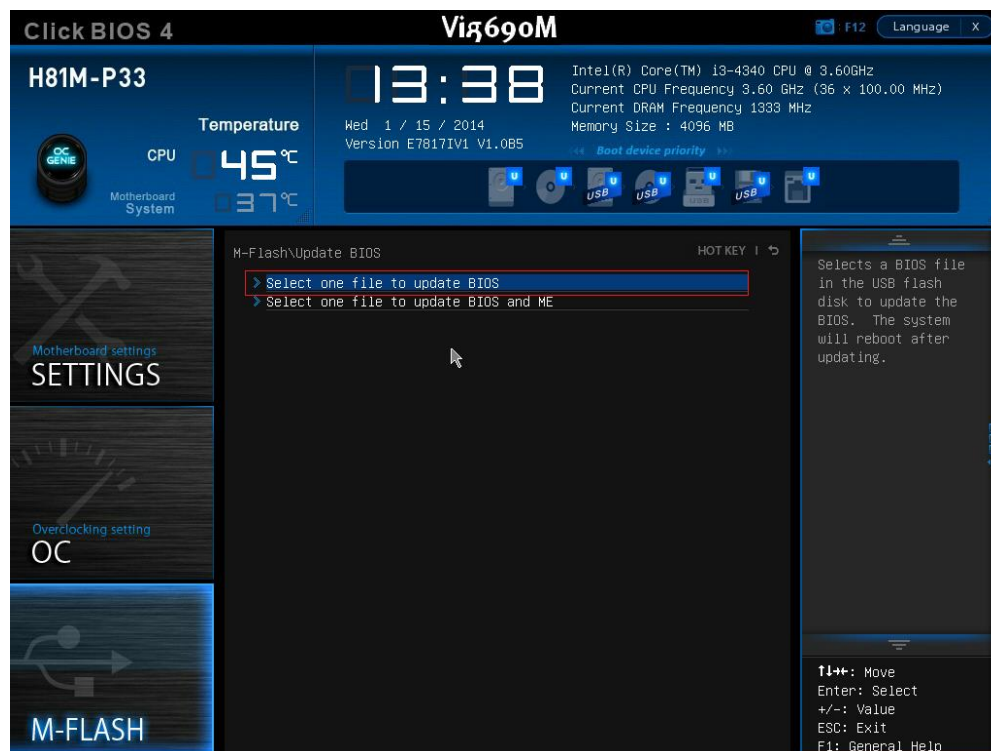
7. Select **<Update BIOS>**



Plug in the USB media which contains the correct BIOS file, if this was not done in step 4.
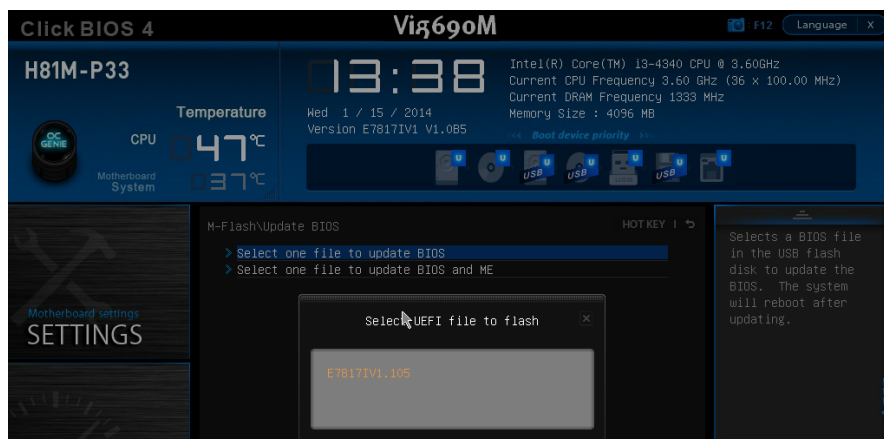
8. Select **<Select one file to update BIOS>** from M-Flash menu

9. Press enter to Detect USB key



10. Browse through the USB device for the BIOS file (i.e. E7817IV1.XXX). Highlight the BIOS file and Press enter.



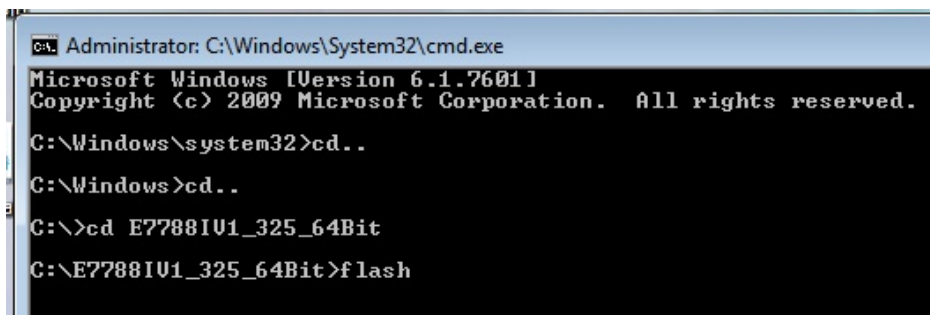9. M-Flash will perform BIOS update and reboot.

**IMPORTANT!!!!!**

During the update process DO NOT shut down the PC or interrupt the process, this could cause damage to the motherboard.
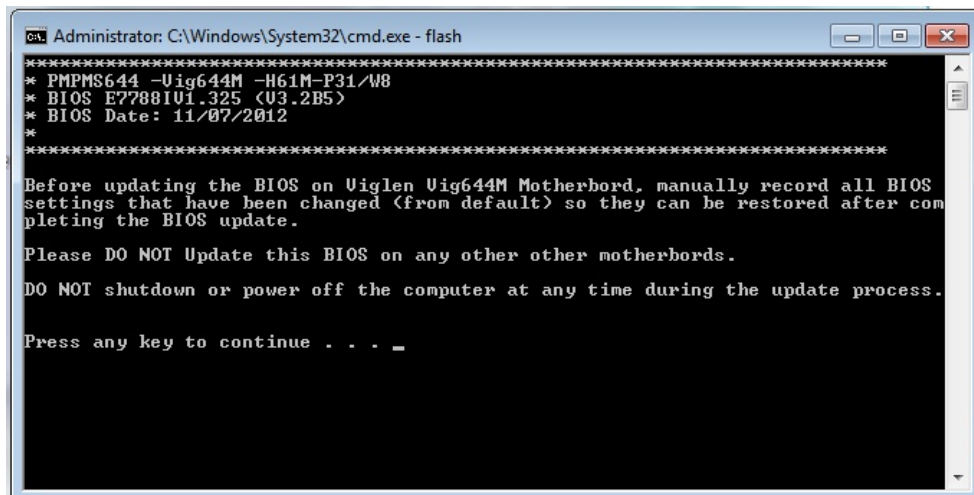
# Windows\WinPE BIOS Update

**Windows**

1. Save the BIOS update file to a temporary directory.

2. Extract necessary files.

3. Open Commend Prompt

   a. Type 'CMD' under Search.
   b. Run Commend Prompt as Administrator

4. In commend prompt navigate to the extracted BIOS file. (i.e. **E7788IV1_325_32Bit** for Windows 32Bit)

```
Administrator: C:\Windows\System32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation.  All rights reserved.

C:\Windows\system32>cd..

C:\Windows>cd..

C:\>cd E7788IV1_325_64Bit

C:\E7788IV1_325_64Bit>flash
```

5. At the prompt, type **flash.bat** to launch the BIOS updates process and Press any key to continue.

```
Administrator: C:\Windows\System32\cmd.exe - flash
***********************************************************************
* PMPMS644 -Vig644M -H61M-P31/W8
* BIOS E7788IV1.325 (V3.2B5)
* BIOS Date: 11/07/2012
*
***********************************************************************
Before updating the BIOS on Viglen Vig644M Motherbord, manually record all BIOS
settings that have been changed (from default) so they can be restored after com
pleting the BIOS update.

Please DO NOT Update this BIOS on any other other motherbords.

DO NOT shutdown or power off the computer at any time during the update process.

Press any key to continue . . . _
```

6. BIOS update process will start.

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

Note: During BIOS update process keyboard and Mouse will not respond.

```
Administrator: C:\Windows\System32\cmd.exe                         _ □ x

********************************************************************
* PMPMS644 -Vig644M -H61M-P31/W8
* BIOS E7788IU1.325 (V3.2B5)
* BIOS Date: 11/07/2012
*
********************************************************************
Before updating the BIOS on Viglen Vig644M Motherbord, manually record all BIOS
settings that have been changed (from default) so they can be restored after co
pleting the BIOS update.

Please DO NOT Update this BIOS on any other other motherbords.

DO NOT shutdown or power off the computer at any time during the update process

Press any key to continue . . .
+--------------------------------------------------------------------+
¦              AMI Firmware Update Utility  v3.03.01                  ¦
¦       Copyright (C)2012 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 NURAM Block ......... done
 Updating NURAM Block ........ done
 Verifying NURAM Block ....... done

C:\E7788IU1_325_64Bit>_
```

7.  Once BIOS update is completed, exit commends prompt and re-starts the system.