BIOS Update Instruction for the Vig860s Motherboard PMPAS770- VIG770S

- 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

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.

- ASUS Tek. EzFlash Utility
- Windows\WinPE BIOS Update

Latest BIOS files and Utility are available from Viglen FTP site:
http://download.viglen.co.uk/files/Motherboards/Vig770S

BIOS update using ASUS Tek. EzFlash Utility Method:

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

1. For this method, you will require a Flash USB device and required BIOS file.
2. Insert the USB flash disk that contains the latest BIOS file to the USB port.
3. During POST press **<ALT> + <F2> to** enter the ASUS Tek. EzFlash Utility
4. Navigate through the EzFlash Utility using the arrows keys
5. Press the Up/Down arrow keys to find the USB flash disk that contains the latest BIOS, and then press <Enter>.
6. Press the Up/Down arrow keys to find the BIOS file, and then press **<Enter>** to perform the BIOS update process.
7. Reboot the system when the update process is completed.

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.
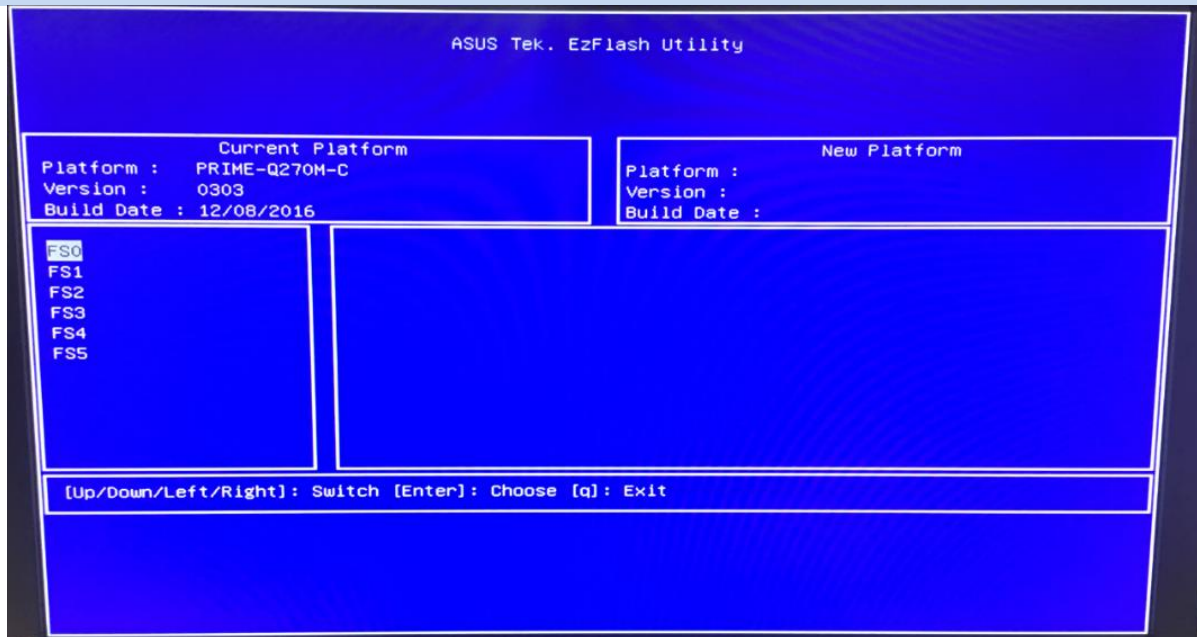
Figure 1- ASUS Tek. EzFlash Utility

8. After restarting load BIOS setup menu by pressing < Del> or <F2> key.
9. Load Default BIOS settings by pressing <F5> key.
10. Press F10 to Save and Exit.

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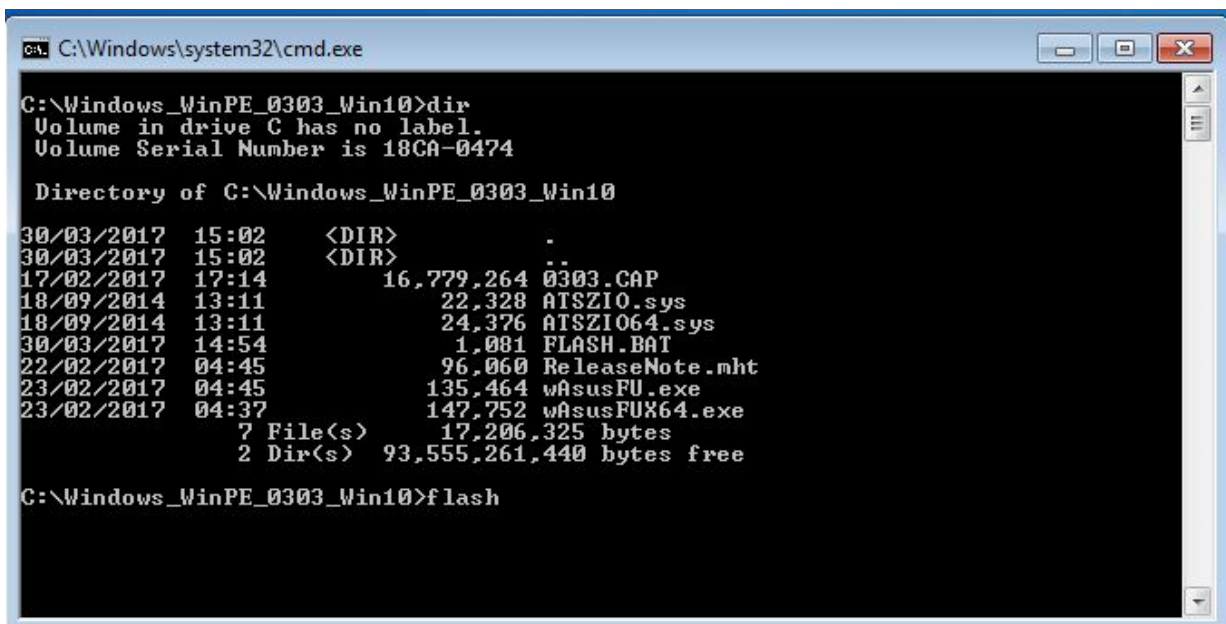**During the update process DO NOT shut down the PC or interrupt the process, this could cause damage to the motherboard.**
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Windows\WinPE BIOS Update

Windows

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

2. Extract necessary files.

3. Type 'Flash32.bat or Flash64.bat'. (Flash32 is Windows 32Bit and Flash64 is for windows 64Bit)

Name	Date modified	Type	Size
0607w10.CAP	11/04/2017 14:44	CAP File	8,194 KB
ATSZIO.sys	18/09/2014 13:11	System file	22 KB
ATSZIO64.sys	18/09/2014 13:11	System file	24 KB
FLASH32	20/05/2017 11:12	Windows Batch File	2 KB
FLASH64	20/05/2017 11:12	Windows Batch File	2 KB
wAsusFU	23/02/2017 03:45	Application	133 KB
wAsusFUX64	23/02/2017 03:37	Application	145 KB

During BIOS update process if pop message appears select OK to continue.

Figure 2

Figure 3

4. BIOS update process will start.

Figure 4

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

5. Once BIOS update is completed, pop up message will appear "**Windows will shut down in less than a minute**".
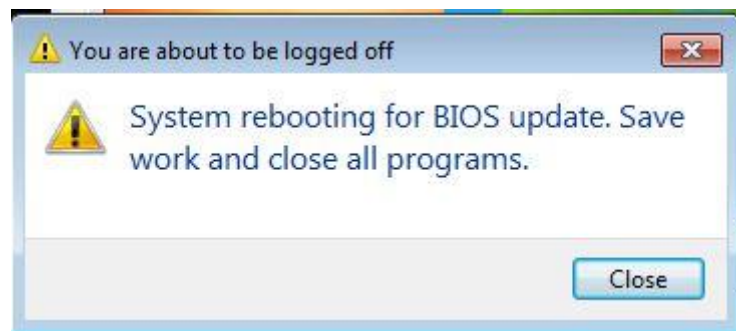

Figure 5

System will log off and restart after 30 seconds.

6. During system re-boot, load BIOS setup menu by pressing < Del> or <F2> key.

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

8. Press <F10> to save and exit.

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http://download.viglen.co.uk/files/Motherboards/Vig770S/

BIOS settings for Windows 10

Windows UEFI mode for Windows 10

Vig830s system configured with Windows 8/8.1 will have following default BIOS settings. If you wish to downgrade to Windows 7 then BIOS must be configured to Non-UEFI mode.

Boot\CSM (Compatibility Support module)

Launch CSM	**[Enabled]**
Boot Device Control	**[UEFI Only]**
Boot from Network Devices	**[UEFI drivers first]**
Boot from Storage Devices	**[UEFI drivers first]**
Boot from PCI-E/PCI Expansion Devices	**[UEFI drivers first]**

Boot\Secure Boot Menu

OS Type [**Windows UEFI mode**]

> **Note**
>
> Please ensure the changes of the following settings are performed by personnel with some previous experience/knowledge of altering BIOS settings.

Enabling Windows UEFI mode for Windows 8/8.1 & 10 Operating System

1. From the BIOS main menu bar select '**Advanced'**
2. Navigate to the **Boot** sub menu
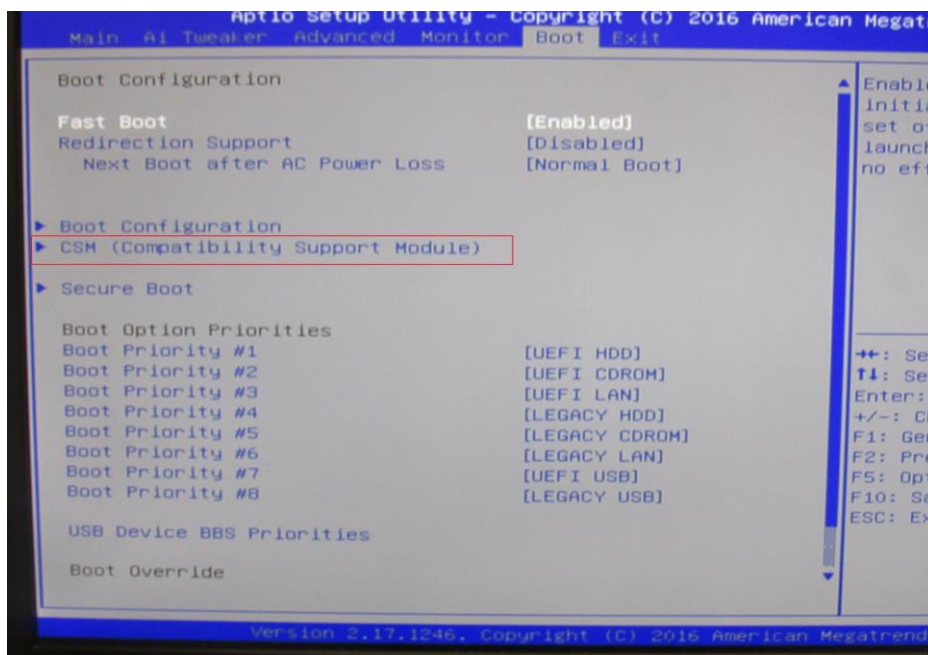3. Select **CSM (Compatibility Support Module)**

Figure 6 – Boot menu

4. In the CSM **(Compatibility Support Module)** change following settings for Windows 8/8.1 & 10

        Launch CSM   **[Enabled]**
        Boot Device Control   **[UEFI Only]**
        Boot from Network Devices   **[UEFI drivers first]**
        Boot from Storage Devices   **[UEFI drivers first]**
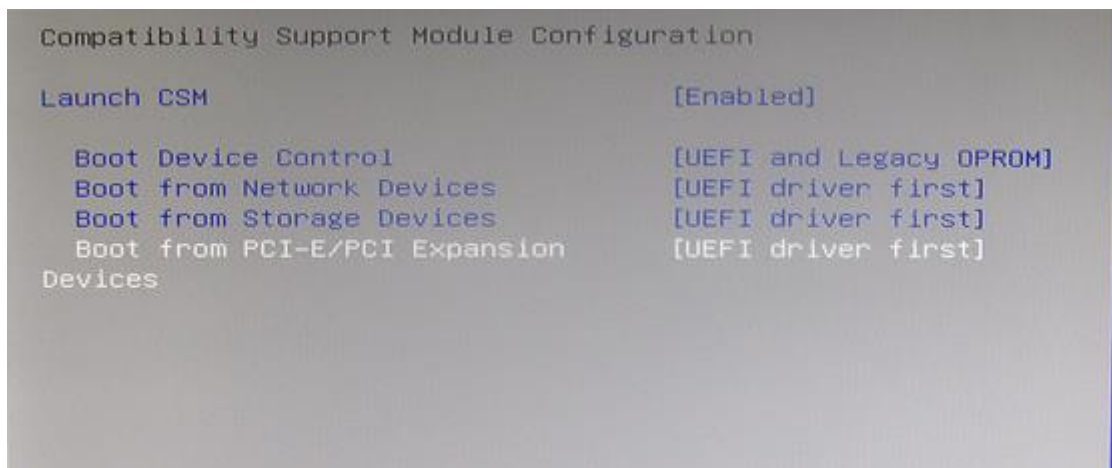   Boot from PCI-E/PCI Expansion Devices   **[UEFI drivers first]**

Figure 7-Compatibility Support Module

*When these settings have been changed, press <Esc> or the Back Button to go back to the Boot Sub Menu to enable **Windows UEFI** for secure boot.*

5. Navigate to **Secure Boot** from within the Boot sub menu.
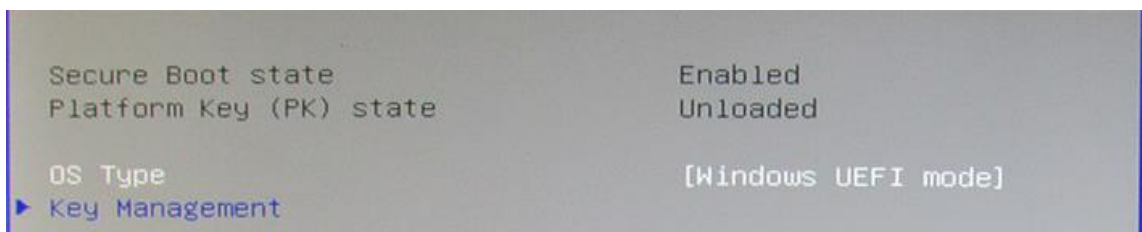6. Change **OS Type** to **Windows UEFI**.

Figure 8 Secure Boot Menu

7. Select **Key Management**.
Select **Install default Secure Boot keys** and select **Yes** to proceed.

Figure 9-Key management – Key loaded

8. Press **F10** to Save and exit.

*If you need to check changes have been saved go back into BIOS after reboot and navigate into Secure Boot settings. Check that **Secure Boot state** is **enabled** and **Platform Key (PK) state** is **Loaded**.*

BIOS Settings for Windows 7 Operating System (Non-UEFI Mode)

The Vig860S motherboard is officially approved for Windows 10 for 6th and 7th gen Processors.

Windows 7 drivers are available for 6th gen process only.

Please note, there is no support of windows 7 operating system for 7th Gen Intel(R) Core(TM) processor family (Codename Kaby Lake).

To downgrade to Windows 7 operating system, BIOS settings must be changed to boot into Legacy BIOS mode (non UEFI Mode).

For Windows 7 operating system BIOS should be configured as per below settings

Boot\CSM (Compatibility Support module)

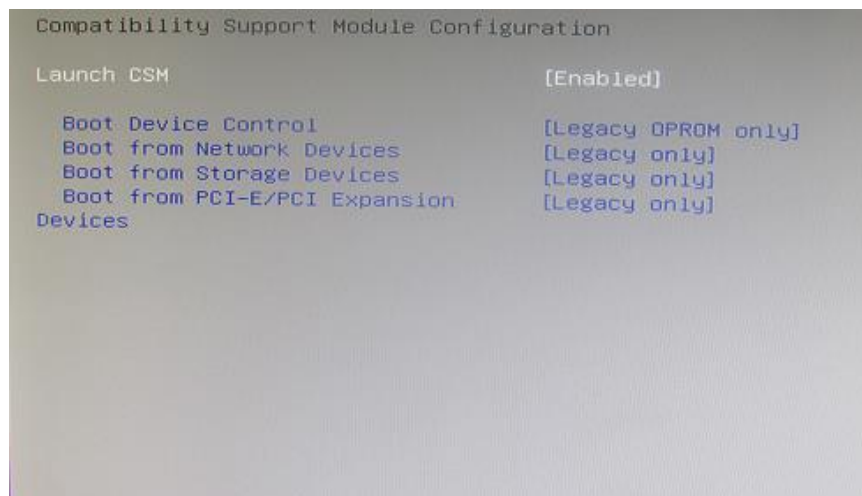|	
Launch CSM	**[Enabled]**
Boot Device Control	**[Legacy OPROM first]**
Boot from Network Devices	**[Legacy OPROM]**
Boot from Storage Devices	**[Legacy OPROM]**
Boot from PCI-E/PCI Expansion Devices	**[Legacy OPROM]**

Figure 10-Windows 7 BIOS settings

Boot\Secure Boot Menu
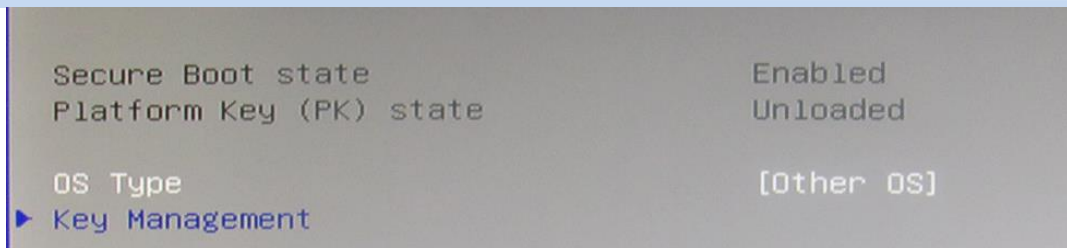
OS Type [**Other OS**]

Figure 11-Windows 7 BIOS settings

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.