Windows 8 BIOS Setting
VIG646 (PMPMS646)

Vig646M system configured with Windows 8 will have following default BIOS settings. It is strongly recommended that these BIOS settings are not disabled for a Windows 8 64Bit Operating system. Below settings are only available with BIOS version **E7677AV1.721** onwards.

Windows 8 Features [Enabled]
MSI Fast BOOT   **[Enabled]**
Fast Boot   **[Enabled]**
Secure Boot   **[Enabled]**

To enable downgrade to Windows 7 or XP operating system BIOS settings must be changed to boot into Legacy BIOS mode. Above BIOS settings should be changed to [Disabled]

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

Accessing BIOS Setup

To access the BIOS when MSI Fast boot is enabled you will need to power down the system and wait 20 seconds before powering up the system; on power on Press the {DEL} key to access BIOS setup.

Enabling/Disabling Windows 8 Features

1. From the BIOS main menu select 'Advanced'
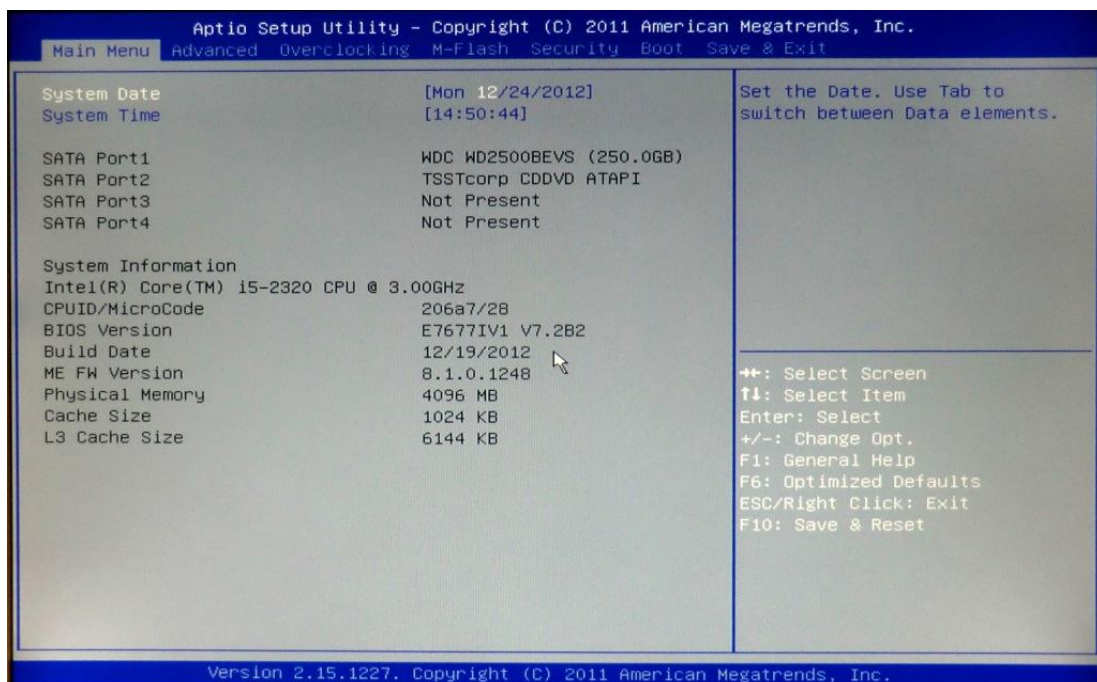
2. In the 'Advanced' tab **scroll down** the options to 'Windows 8 Configuration' and **select** this option
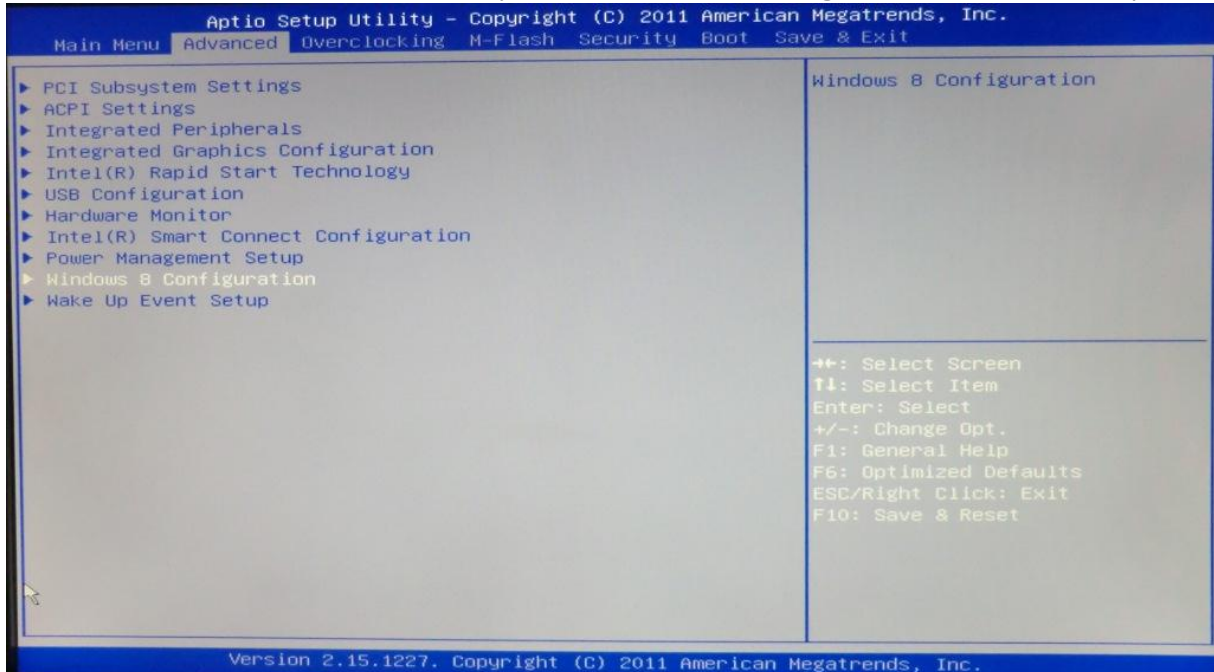

3. In the 'Windows 8 Configuration 'menu **select** 'Windows 8 feature' and **choose** 'Enable ' if the system is to be configured with Windows 8 64Bit Operating System. For Windows 7 and Windows XP operating systems it should be set to Disabled.
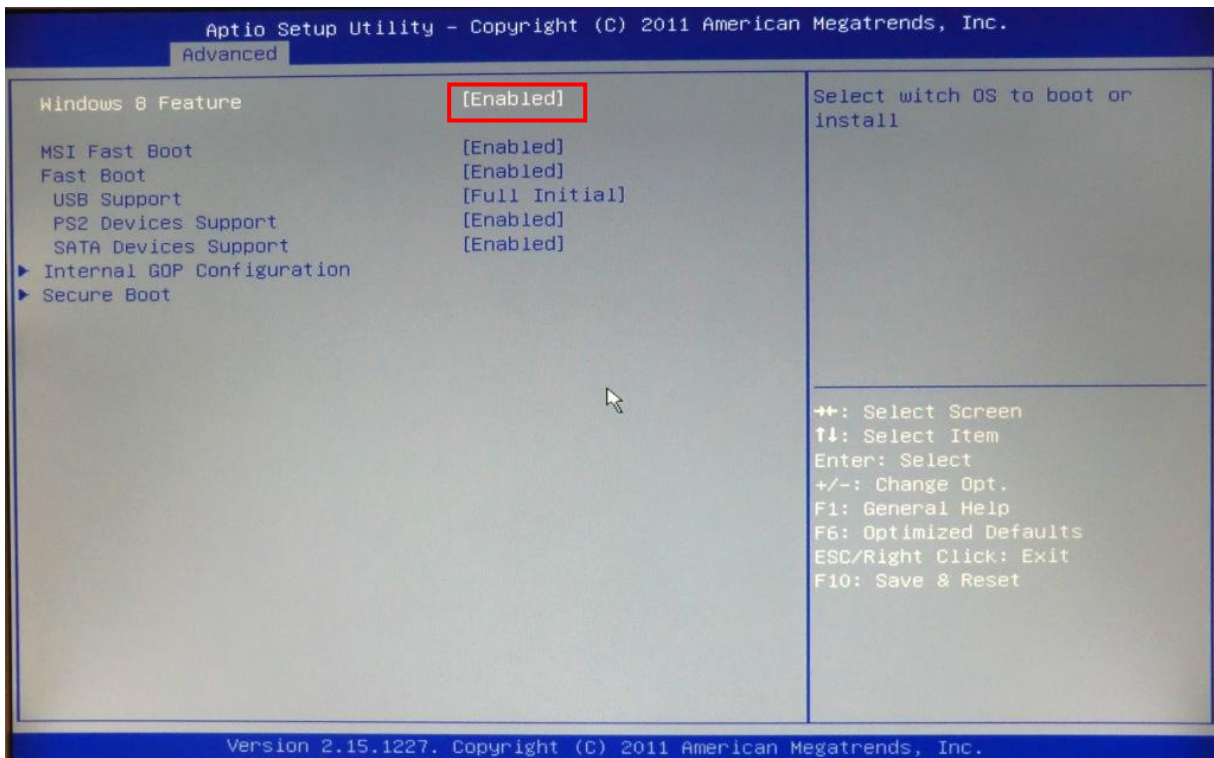
'MSI Fast Boot' - If Enabled, USB devices (keyboard and drives) will not be available until after OS boot, but BIOS will boot faster.

MSI Fast Boot   [Disabled]

'Fast Boot' - It is recommended that this option is **'Enabled'** for Windows 8 operating systems to ensure the boot up sequence is performed at the fastest possible time.
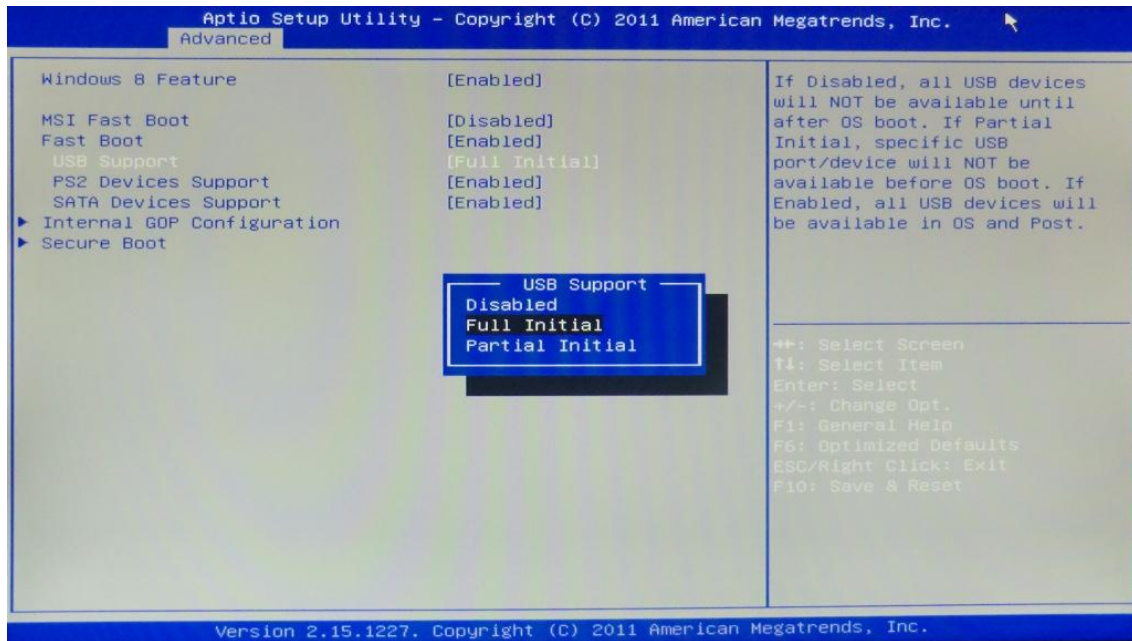
'USB Support' this can be set to three options:
- ⊙ **Disabled –** This option will disable all USB devices until after OS boot
- ⊙ **Full Initial –** This option will enable all USB devices in POST and OS
- ⊙ **Partial Initial -** This option will enable the use of specific USB Port/Devices before boot

Enabling /Disabling Secure Boot

'Secure Boot' it is recommended this setting is set to **'Enabled'** to initialize the Windows 8 secure boot feature when the system boots up**.**
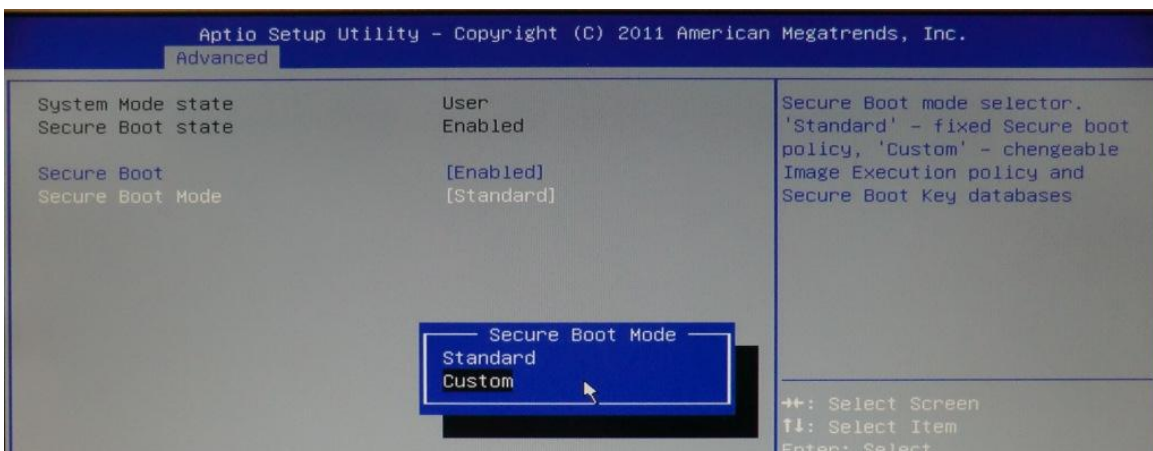
Note: Secure boot is supported under Windows 8 64Bit Operating system.
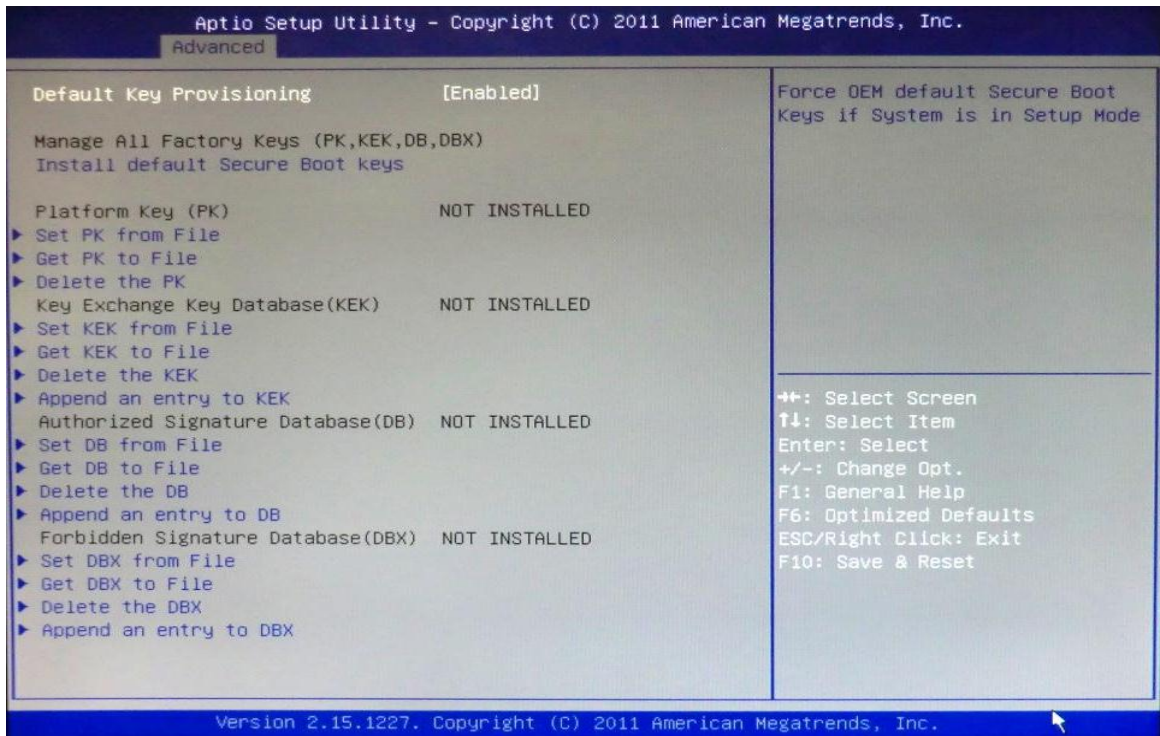
To Enable Secure Boot

1.   **Select Secure Boot from Windows 8 feature menu**
2.   **Highlight Secure Boot and select Enabled**
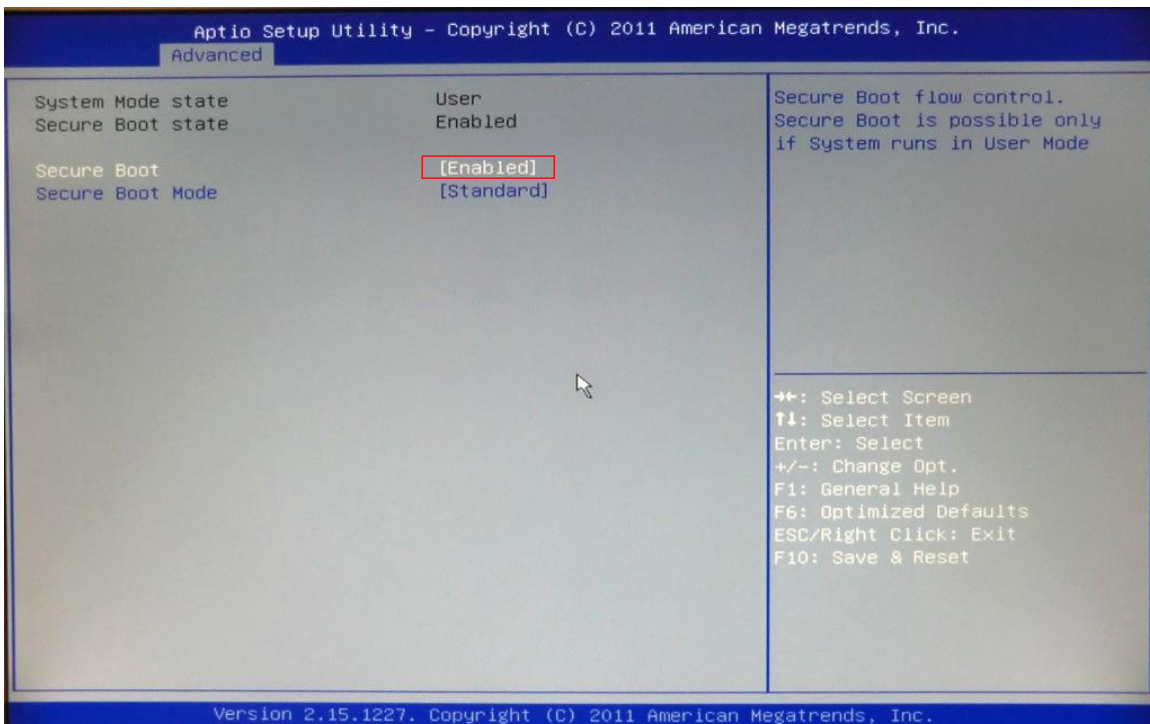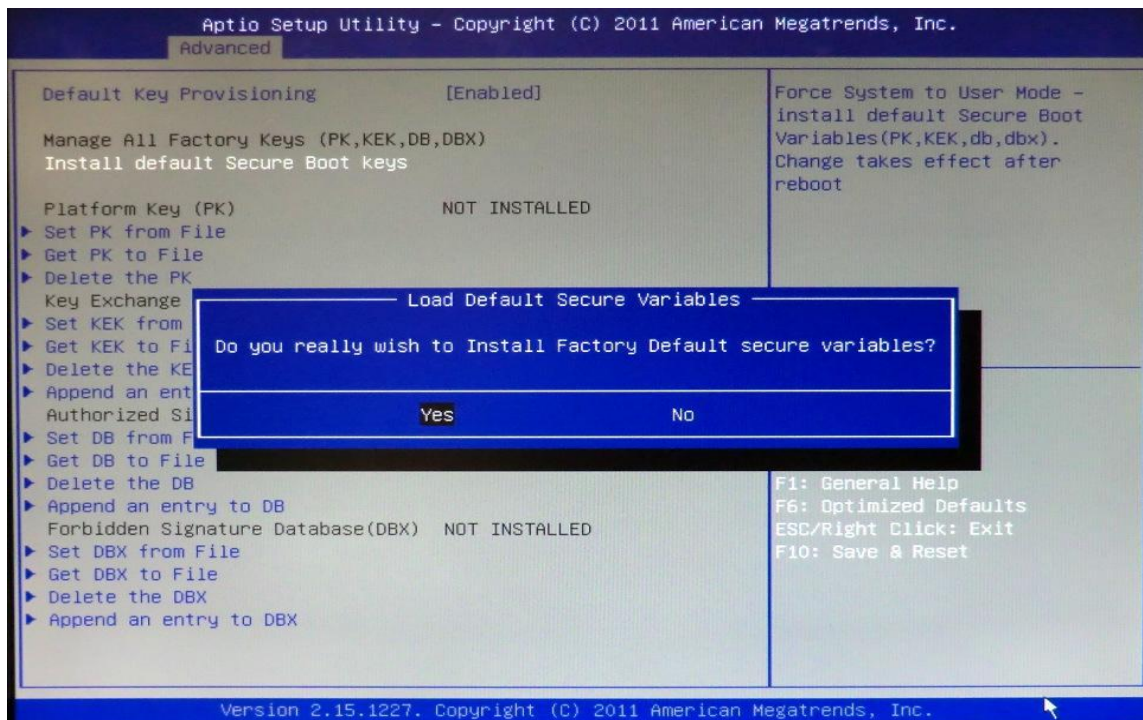

3.   **Select 'Secure Boot Mode' and Select 'Custom'**

4. Select the 'Default Key Provisioning' and select **Enabled**.

5. **Select 'Install Default Secure Boot keys' to load factory Default Secure variables.**

6. **A confirmation window will request if you would wish to install factory default secure variables select 'Yes' to confirm**

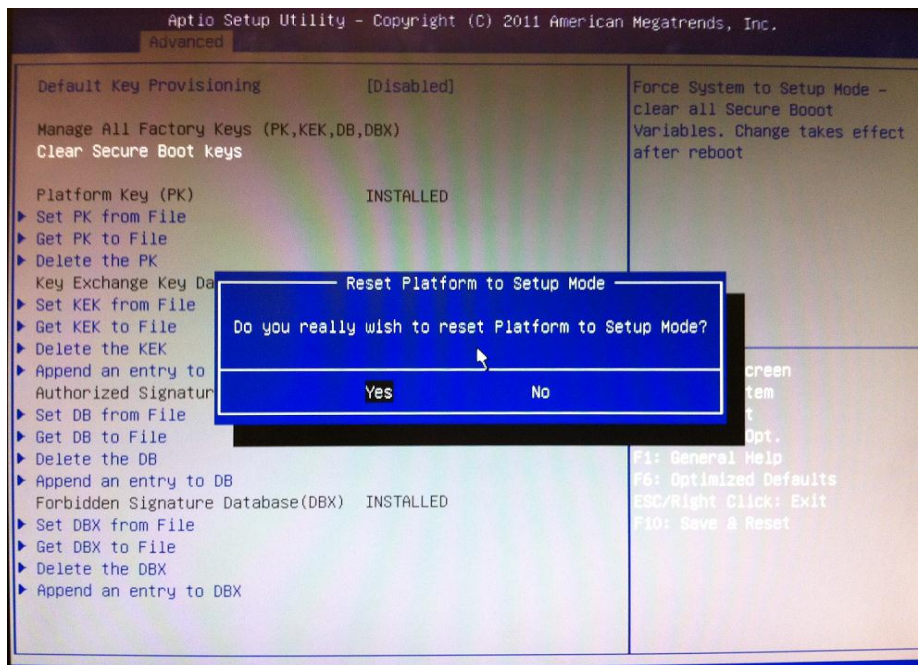Once the Default Secure Boot keys are installed it will state 'Installed' as shown in below
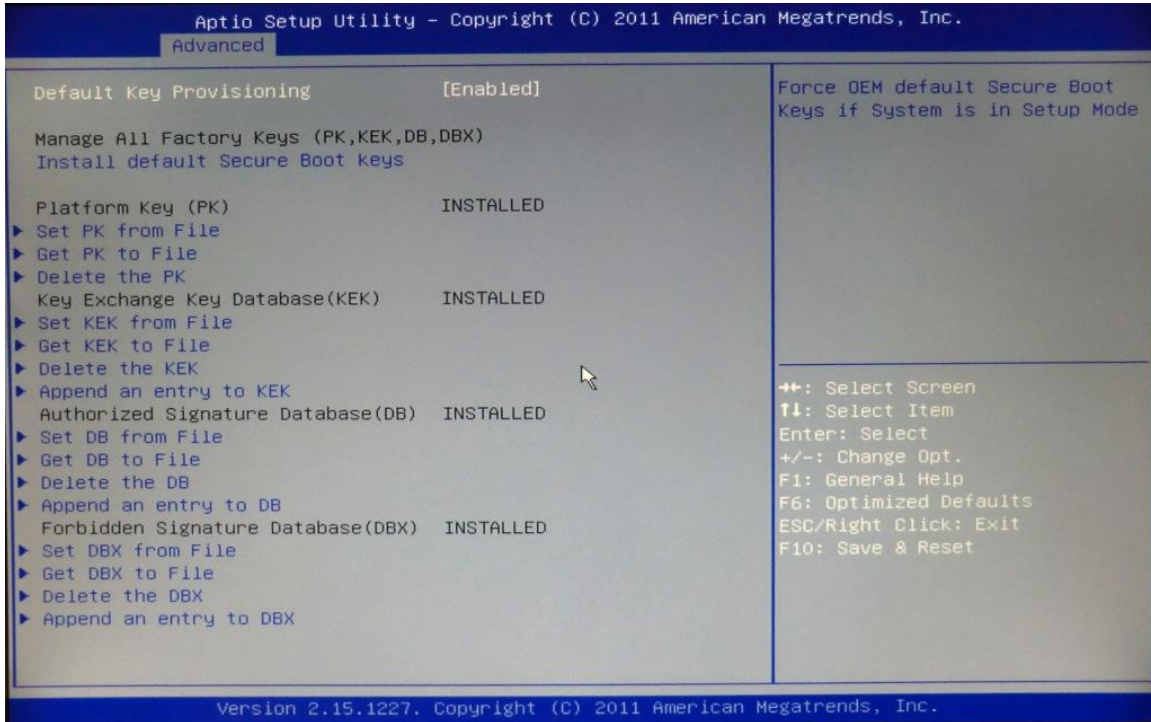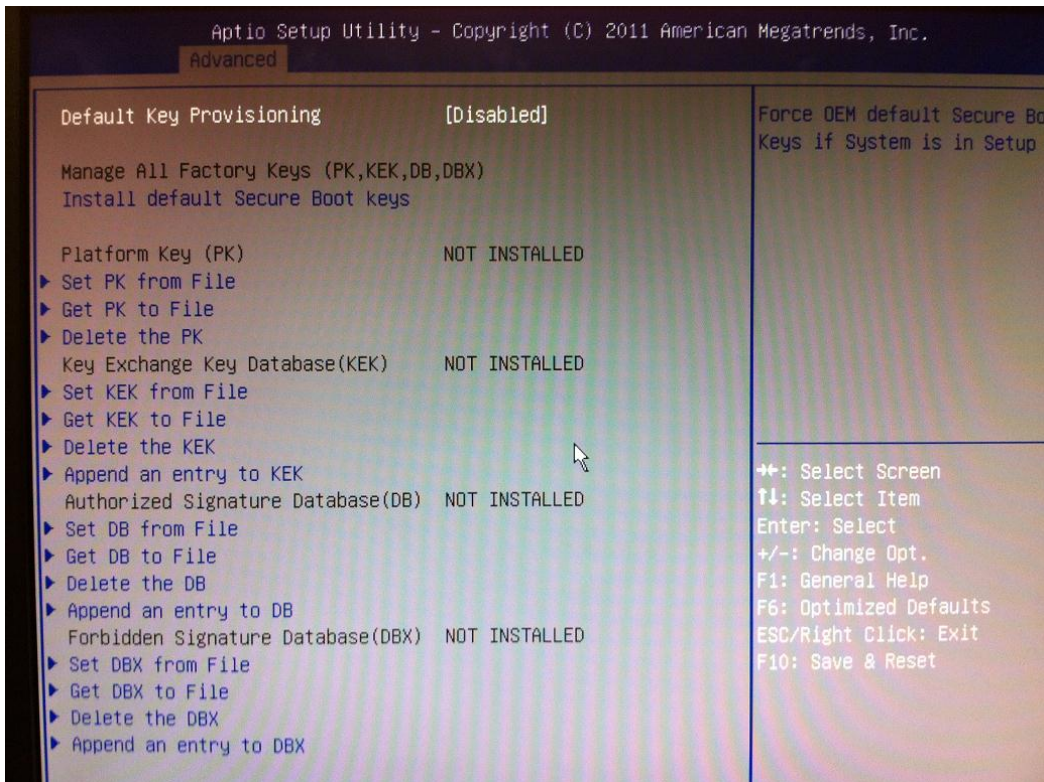

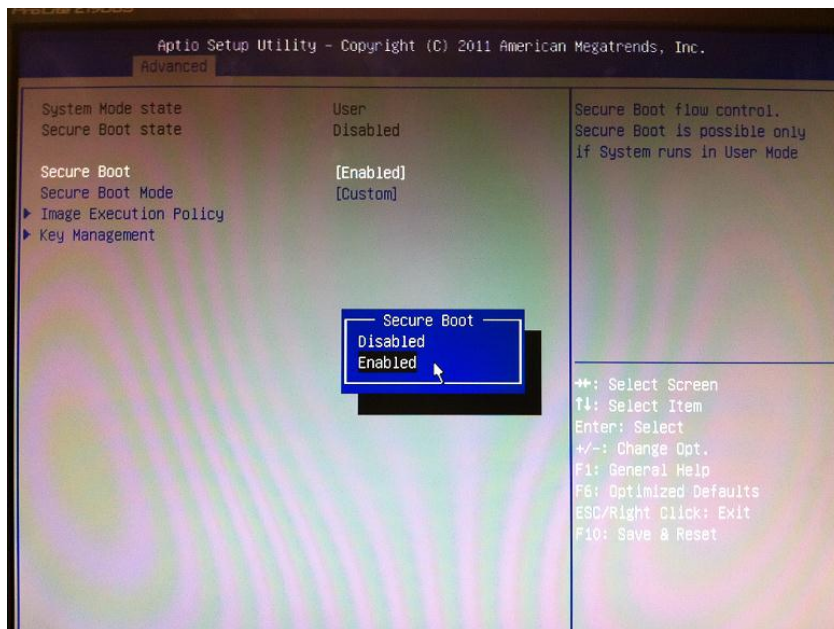**Disabling Secure Boot**
1. Select 'Default Key Provisioning' and Change the Setting to [Disabled]
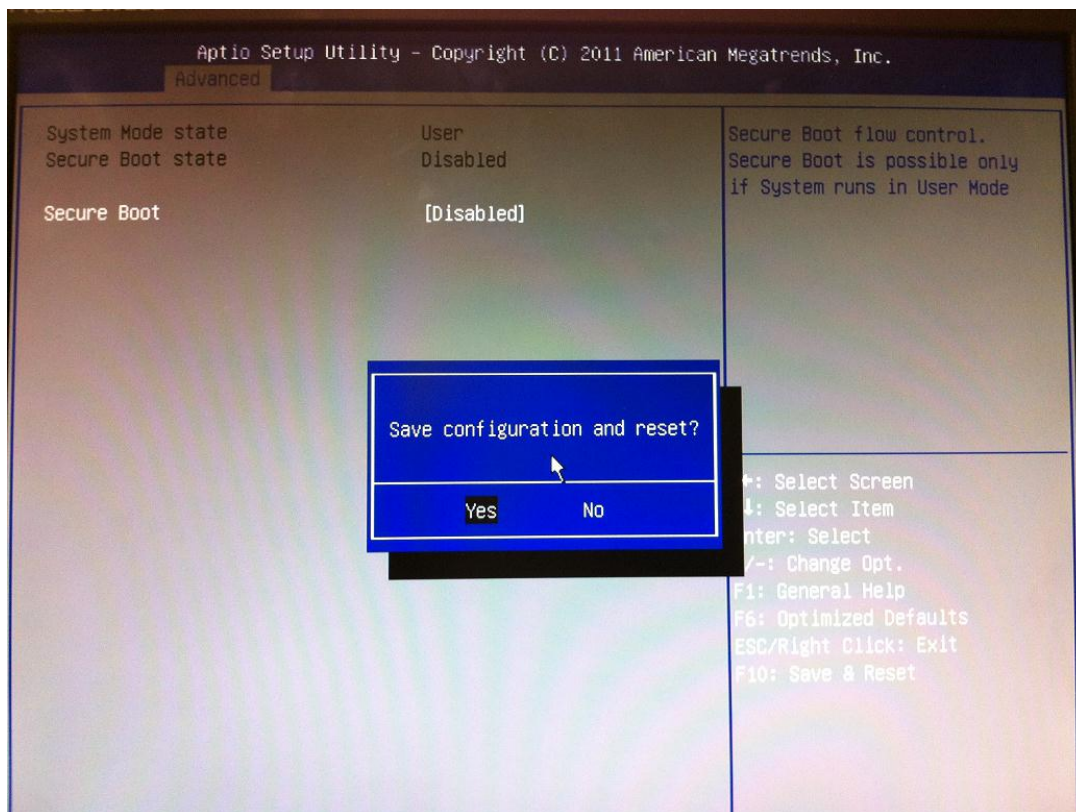2. Select 'Clear Sure Boot Keys' and Select Yes.

Once the secure Boot keys are cleared it will state 'Not Installed' as shown in below

3. **Press Esc to exit the Key provisioning Menu.**
4. **Select 'Secure Boot' and Change the setting to [Disabled]**

Once all BIOS settings have been configured press F10 key to Save and Exit the BIOS Setup.

Additional information:

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

Remember to include your PC serial number in all correspondence.