

Windows® 7 Installation and PCIE RAID Setup Guide

Operating System(s) Support:

The Vig770S motherboard is officially approved for Windows 10 for 6th and 7th gen Processors. Windows 7 is supported 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).

7th Gen Intel(R) Core(TM) processor family (Codename Kaby Lake)

- Microsoft Windows* 10-64

6th Gen Intel(R) Core(TM) processor family (codename Skylake)

- Microsoft Windows* 7-64
- Microsoft Windows* 8.1-64
- Microsoft Windows* 10-64

Microsoft support policies with updated Windows 7 & 8.1 guidelines.

Supported Windows Versions	
Kaby Lake (Intel 7th Generation Core processors)	Windows 10 ONLY
Skylake (Intel 6th Generation Core processors)	Windows 7, 8.1,10

Windows® 7 and USB driver installation

Based on the chipset specification, the Vig860S motherboard requires USB 3.0 drivers to be preloaded in order to use USB keyboard/mouse during Windows® 7 installation. This section is a guide on preloading USB 3.0 drivers and installing Windows® 7.

Method 1: Using SATA ODD & USB devices

Load the USB driver using the ASUS support DVD and install Windows® 7 using a USB device.

Requirement:

- 1 x EZ_Installer_Windows 7_V1.03.10
 - 1 x Windows® 7 installation DVD
 - 1 x Working system (PC)
 - 1 x SATA ODD
 - 1 x USB storage device (8 GB or more)
- **The USB storage device requires 8 GB or more capacity. It is recommended to format the Storage device before use.**
- **If you want to install Windows® 7 64-bit UEFI mode, use both a USB ODD and a SATA ODD.**
1. Insert the Windows® 7 installation DVD into a USB ODD, or copy all files on the Windows® 7 installation DVD to a USB storage device on a working system.
 2. Connect the USB ODD or USB storage device to your system.
 3. Insert the ASUS support DVD into a SATA ODD on your system.
 4. Power on your system and press F8 during POST (Power-On Self-Test) to enter the boot screen.
 5. Select the USB ODD or USB storage device as the boot device.

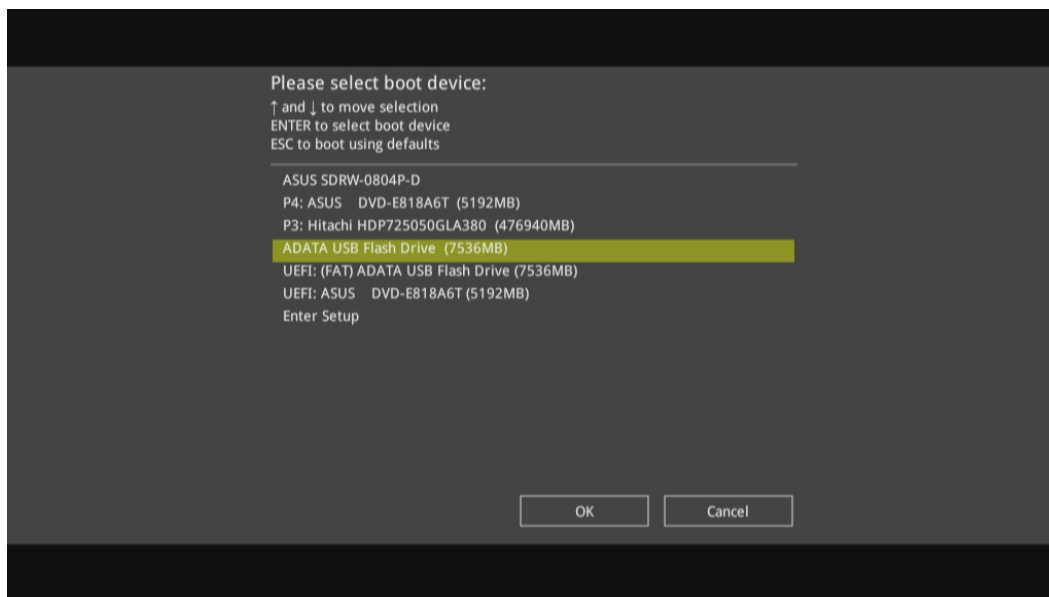


Figure 1 – Boot Device Menu

6. The USB driver will be loaded automatically during installation start-up.

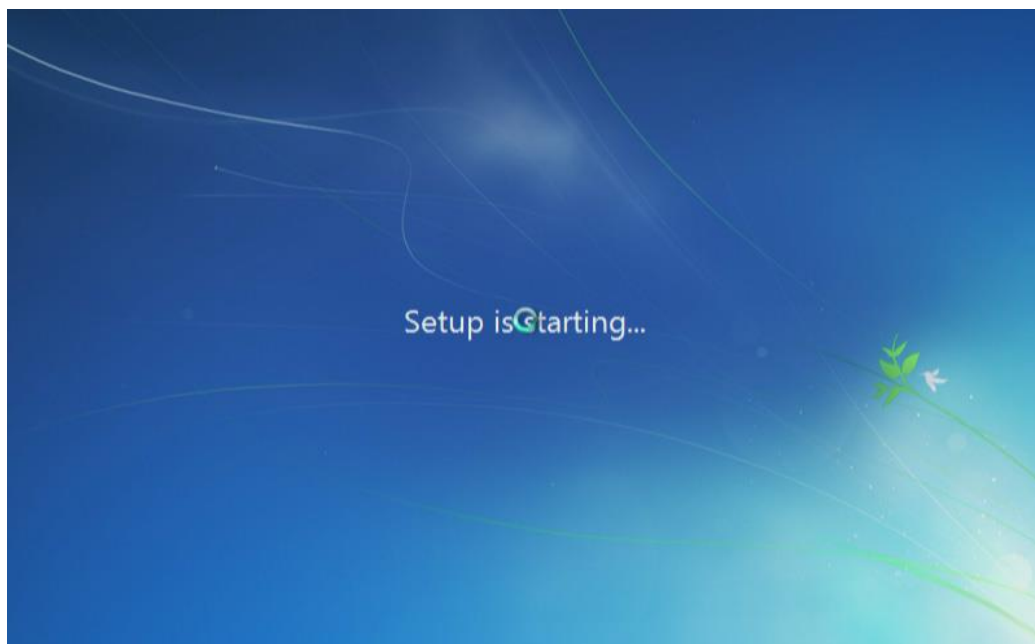


Figure 2 – Windows start-up screen

The “Setup is starting...” screen will show up if the USB driver is loaded correctly.

7. Follow the onscreen instructions to complete the Windows® 7 installation.

Method 2: Using a modified Windows-7 ISO

Load the USB driver and install Windows® 7 using a modified Windows® 7 installation DVD.

Requirement:

- 1 x EZ_Installer_Windows 7_V1.03.10
- 1 x Windows® 7 installation source
- 1 x Working system (PC)
- 1 x SATA ODD

1. On your working system, create an ISO image file of the Windows® 7 installation source using a third-party ISO software.
2. Copy both “Auto_Unattend.xml” and “Auto_Unattend” folder from the root directory of the Driver DVD to your system.
3. Edit the ISO file and add both “Auto_Unattend.xml” and “Auto_Unattend” folder into the ISO file.
4. Burn this ISO file onto an empty DVD to create a modified Windows® 7 installation DVD.
5. Insert the modified Windows® 7 installation DVD into an ODD on your system.
6. Power on your system and press F8 during POST (Power-On Self-Test) to enter the boot screen.
7. Select the ODD as the boot device.
8. The USB driver will be loaded automatically during installation start-up.

The “Setup is starting...” screen will show up if the USB driver is loaded correctly

Method 3: Using ASUS EZ Installer

Use the ASUS EZ Installer Utility to create a modified Windows® 7 installation source.

Requirement:

- 1 x EZ_Installer_Windows 7_V1.03.10
- 1 x Windows® 7 installation DVD
- 1 x Working system (PC)
- 1 x SATA ODD
- 1 x USB storage device (8 GB or more)

1. Insert the Windows® 7 installation DVD.
2. Launch the ASUS EZ Installer located under Drivers\Windows 7 Installation Guide folder on Driver DVD and FTP link for the drivers.
3. Select a method of creating a modified Windows® 7 installation file:

Windows® 7 OS disk to USB storage device

- a) Select **Windows 7 OS disk to USB storage device** then click **Next**.



Figure 3

- b) Check **I agree** and then click **Next**

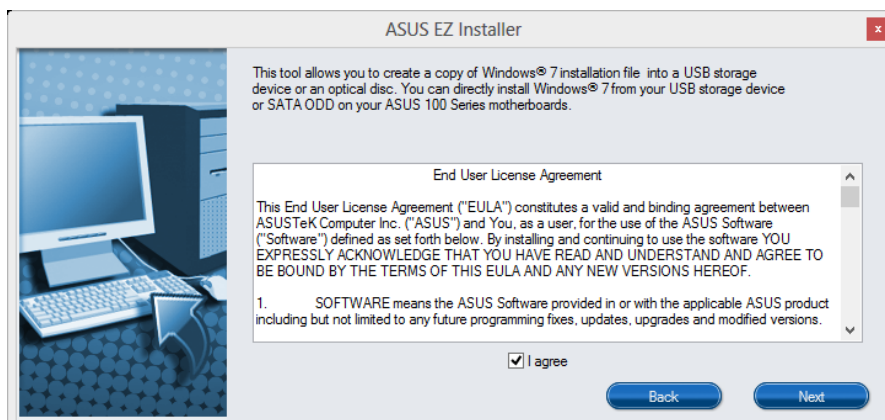


Figure 4

- c) Select the source of the Windows® 7 installation disk then click **Next**.

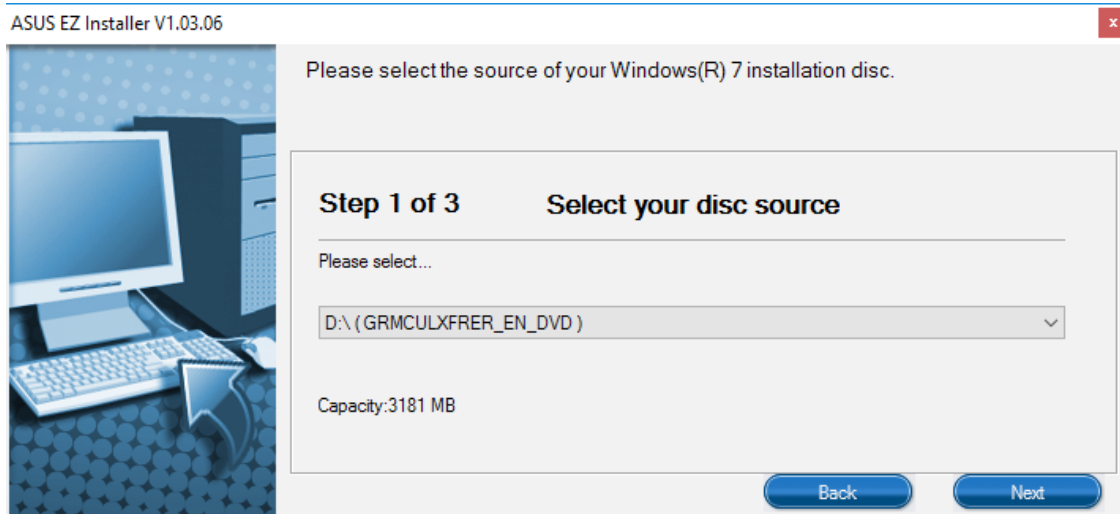


Figure 5

- d) Select the USB storage device and click next. **Next**.

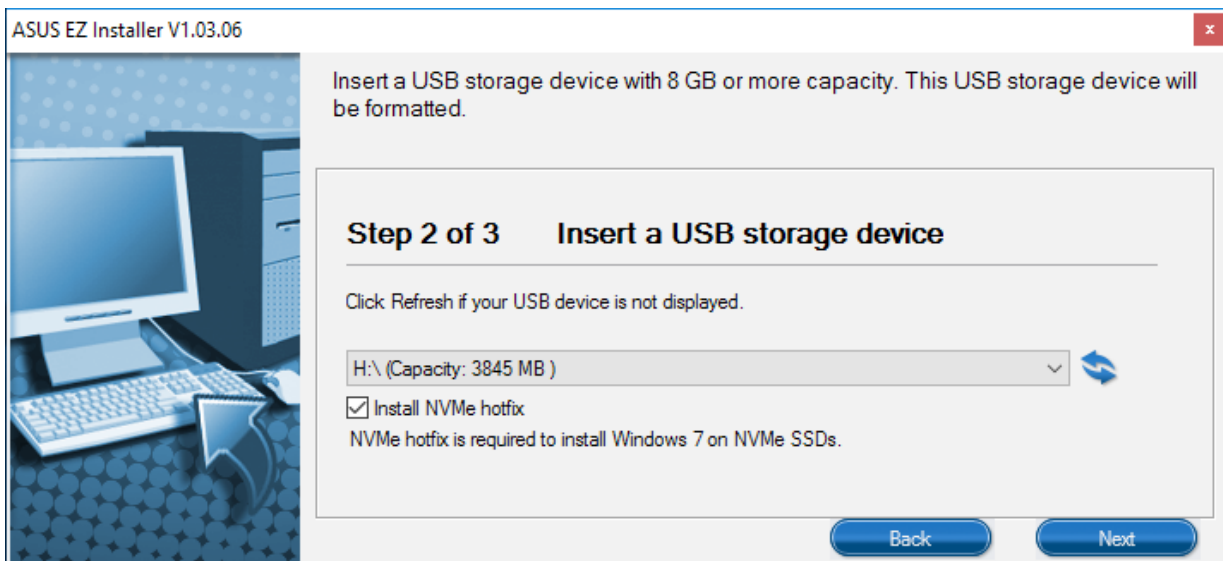


Figure 6

- e) Click the refresh icon if the USB storage device is not displayed.
f) Tick Install NVMe hotfix if needed.
g) Click **Yes** to clear the contents on the USB storage device and create a bootable USB device.

Make sure to backup contents on the USB storage device, as it will be formatted.

- h) Once completed, click OK to finish.
i) Burn this ISO file onto an empty DVD to create a modified Windows® 7 installation DVD.

Information:

Before using this method to install Windows® 7:

- If you are using only one SATA HDD, ensure that your SATA HDD has more than twice the storage space (ISO file size +500MB).
- If you are using two or more SATA HDDs, ensure that at least two of your SATA HDDs have more than the storage space (ISO file size +500MB).

- j) Select **Windows 7 OS disk to ISO file** then click **Next**.

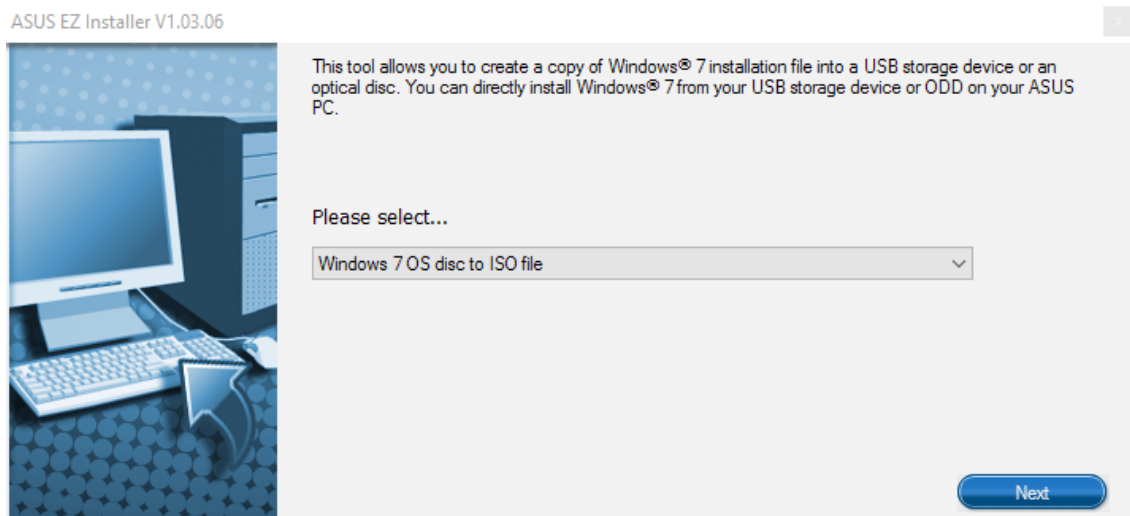


Figure 7

- k) Check **I agree** and then click **Next**.

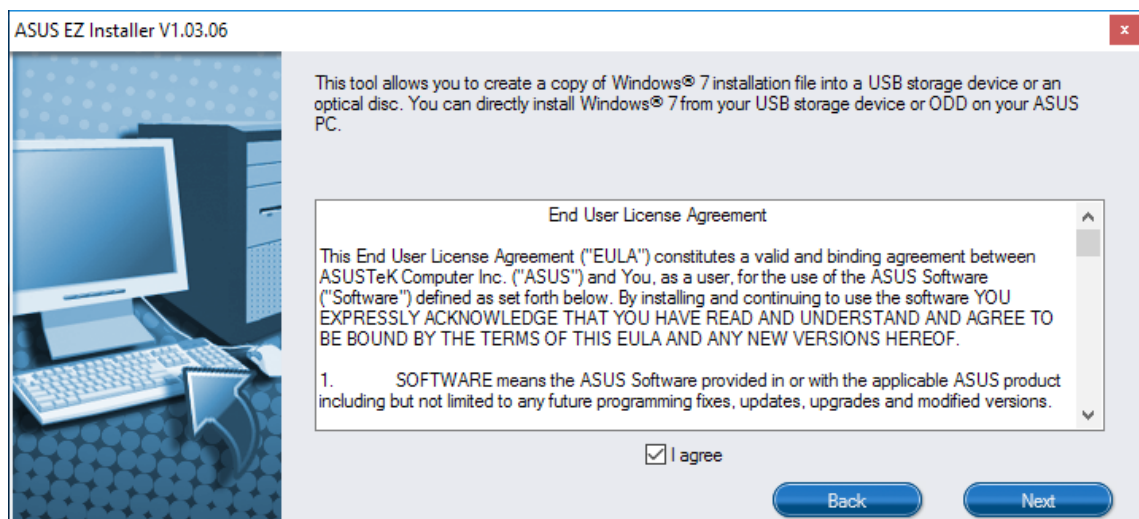


Figure 8

- i) Select the source of the Windows® 7 installation disk then click **Next**.

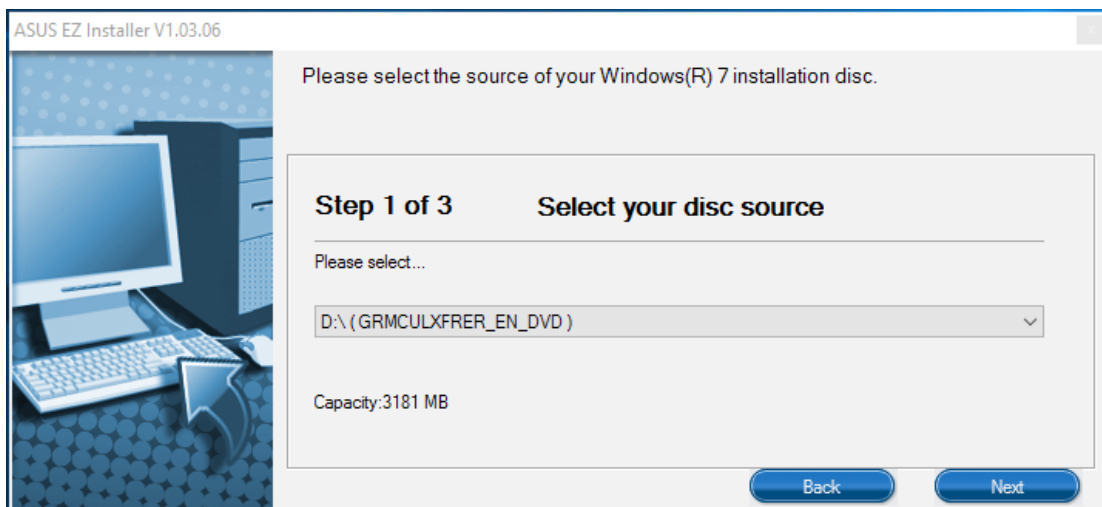


Figure 9

- l) Select the folder to save the modified Windows® 7 installation ISO file and click **Next**.
Tick Install NVMe hotfix if needed.
 - m) Once completed, click OK to finish.
 - n) Burn this ISO file onto an empty DVD to create a modified Windows® 7 installation DVD.
4. Insert the modified Windows® 7 installation DVD into an ODD or connect the USB storage device with modified Windows® 7 installation files onto your system.
 5. Power on your system and press F8 during POST (Power-On Self-Test) to enter the boot screen.
 6. Select the ODD or USB storage device as the boot device.
 7. The USB driver and NVMe driver will be loaded automatically during installation start-up.

The “Setup is starting...” screen will show up if the USB driver and NVMe driver are loaded correctly.

8. Follow the onscreen instructions to complete the Windows® 7 installation.

Windows® 7 PCIE RAID Setup

Based on the chipset specification, your system requires USB and RAID drivers to be preloaded in order to use PCIE RAID during Windows® 7 64-bit UEFI installation. This section is a guide on preloading USB and RAID drivers and installing Windows® 7.

Ensure that your motherboard supports PCIE RAID setup before doing so.

Requirements:

- 1 x Bootable USB storage device created in the above section **Using ASUS EZ Installer**
- 1 x Modified Windows® 7 installation DVD created in the above section **Using ASUS EZ Installer**
- 1 x SATA ODD
- 2 x PCIE SSD

1. Insert the modified Windows® 7 installation DVD into an ODD or connect the USB storage device with modified Windows® 7 installation files onto your Vig750S/Vig760S/Vig830S series platform.
2. Power on your system and press F2 during POST (Power-On Self Test) to enter the boot screen.
3. Go to **Advanced > PCH Storage Configuration > SATA Mode Selection** and select **RAID**.

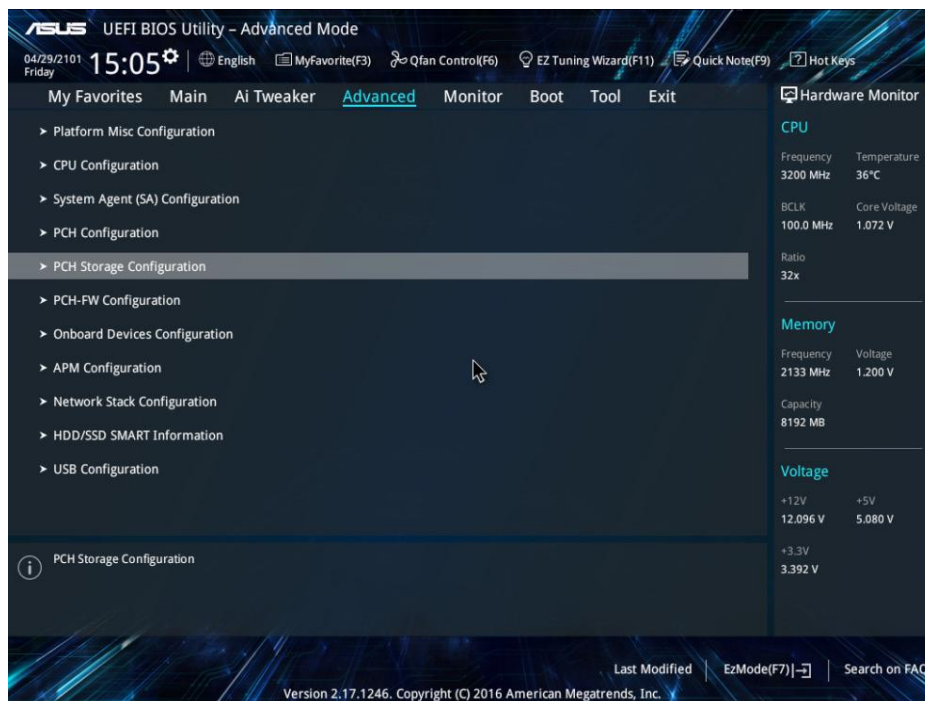


Figure 10

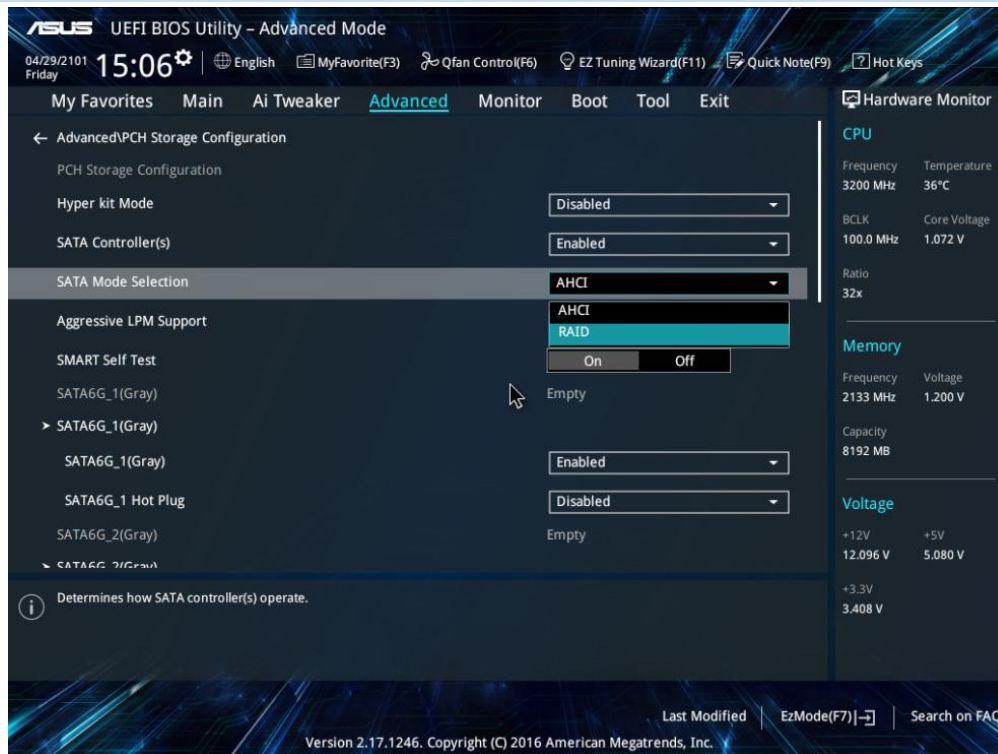


Figure 11

- Two new PCIE RAID options appear. Select **RST Controlled** in both options.

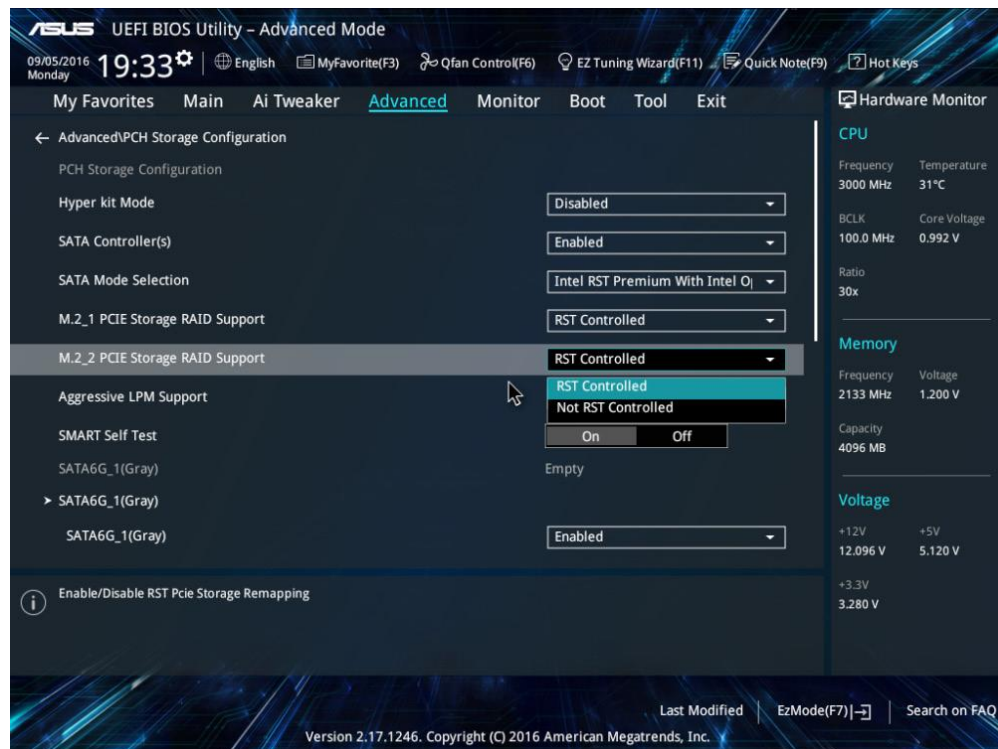


Figure 12

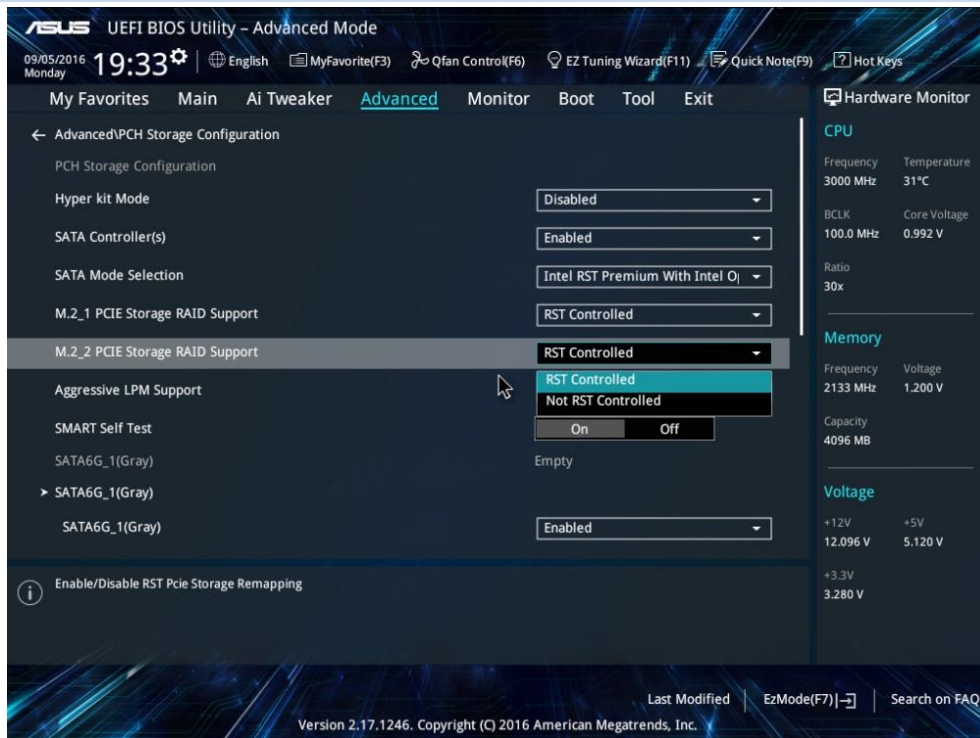


Figure 13

5. Go to **Boot > CSM (Compatibility Support Module) > Boot from Storage Device** and select **UEFI driver** first.

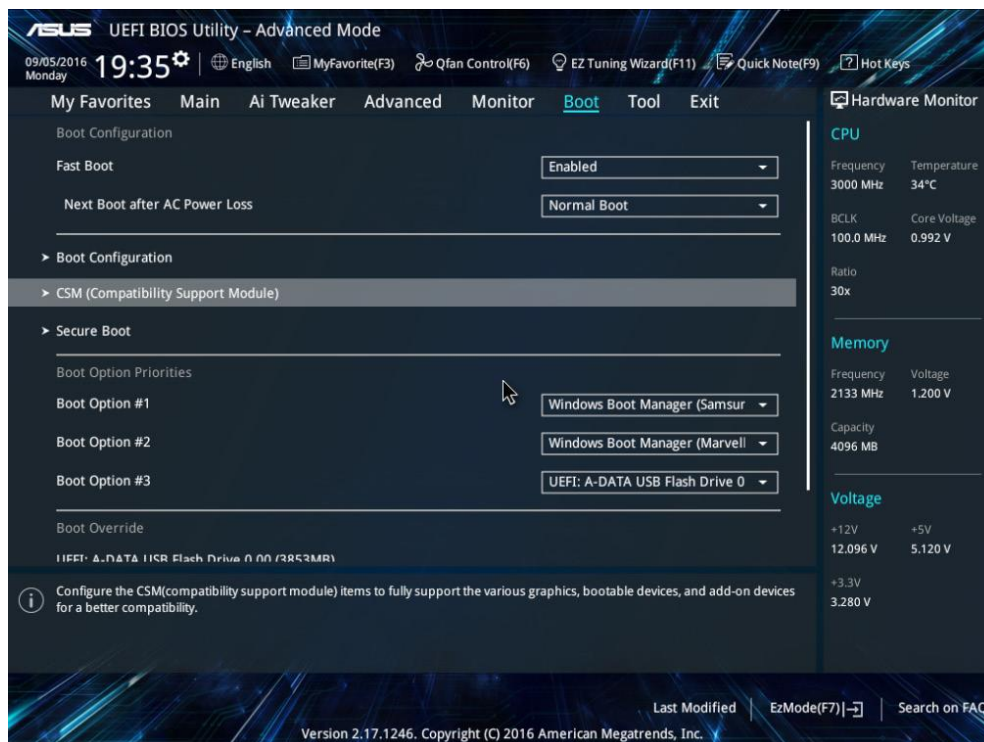


Figure 14

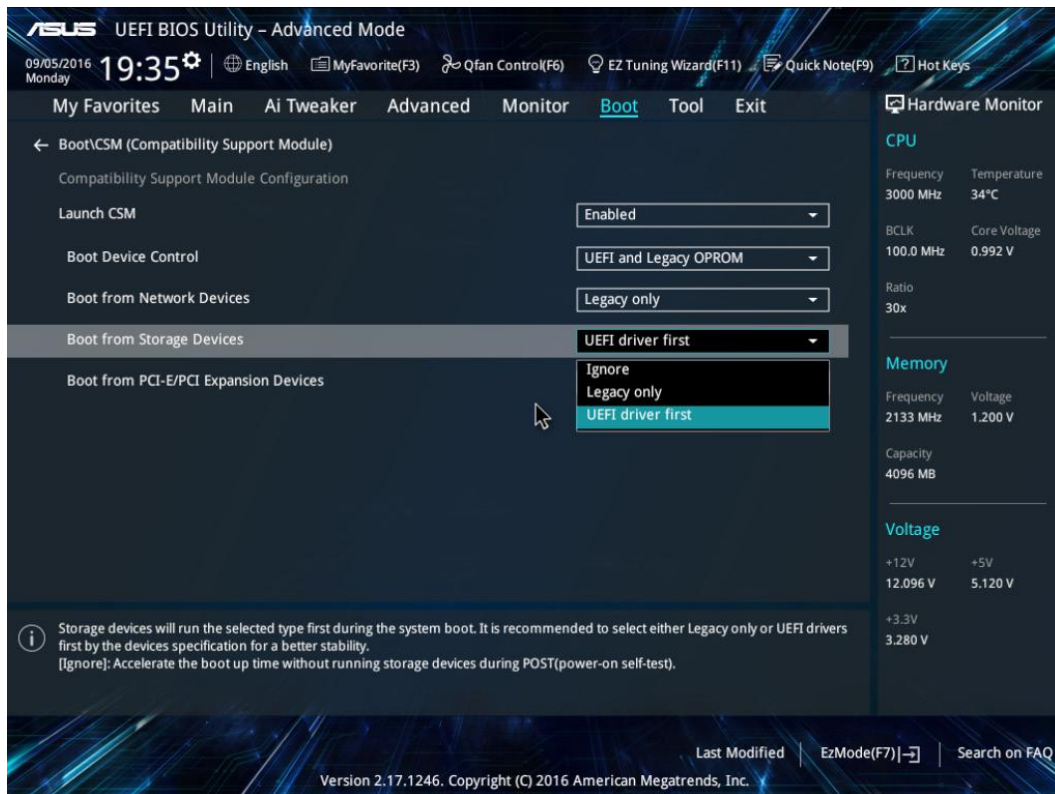


Figure 15

6. Press <F10> to save the changes and reboot the system.

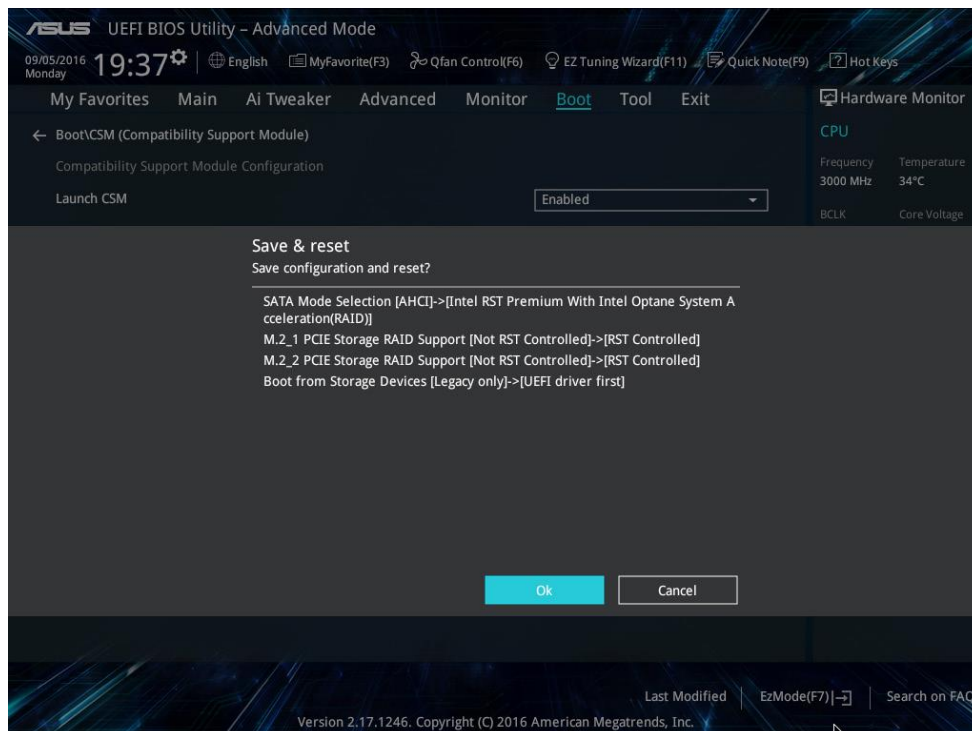


Figure 16

7. . Press F2 during POST (Power-On Self Test) to enter BIOS again and go to **Advanced** to click **Intel(R) Rapid Storage Technology**, which is a new option.

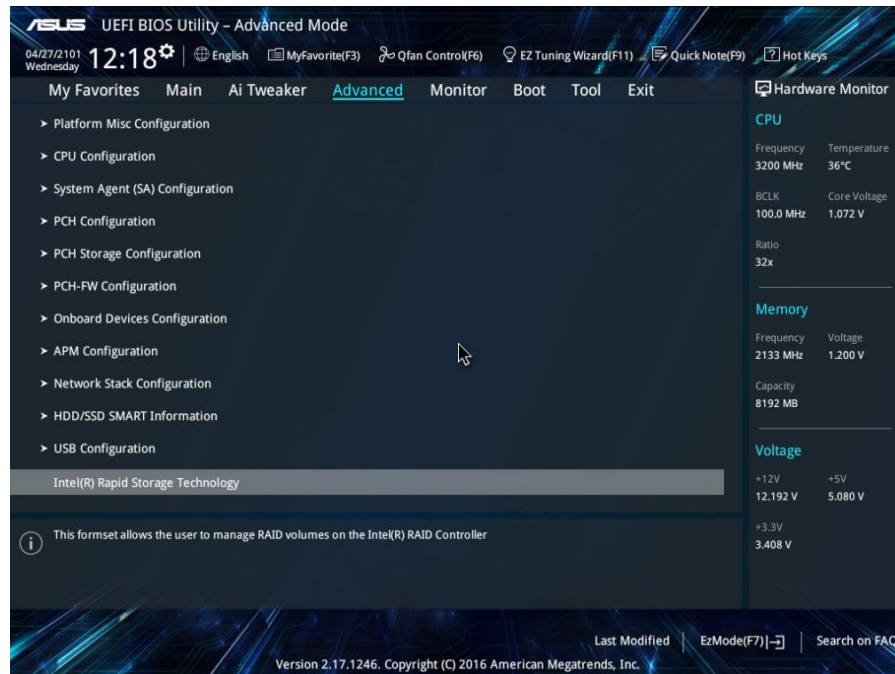


Figure 17

8. Click **Create RAID Volume**.

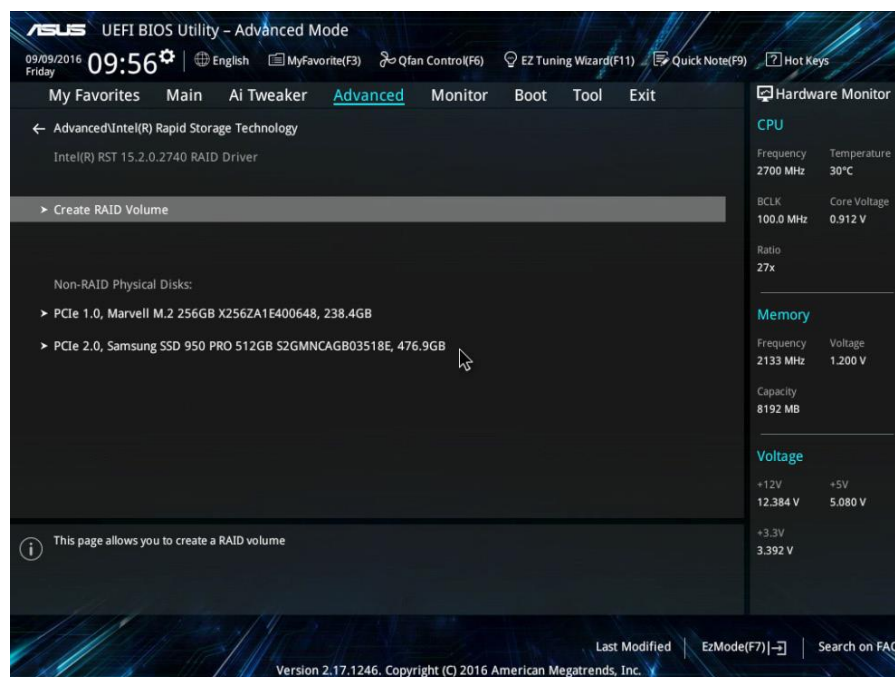


Figure 18

9. Setup the RAID information and click **Create Volume**.

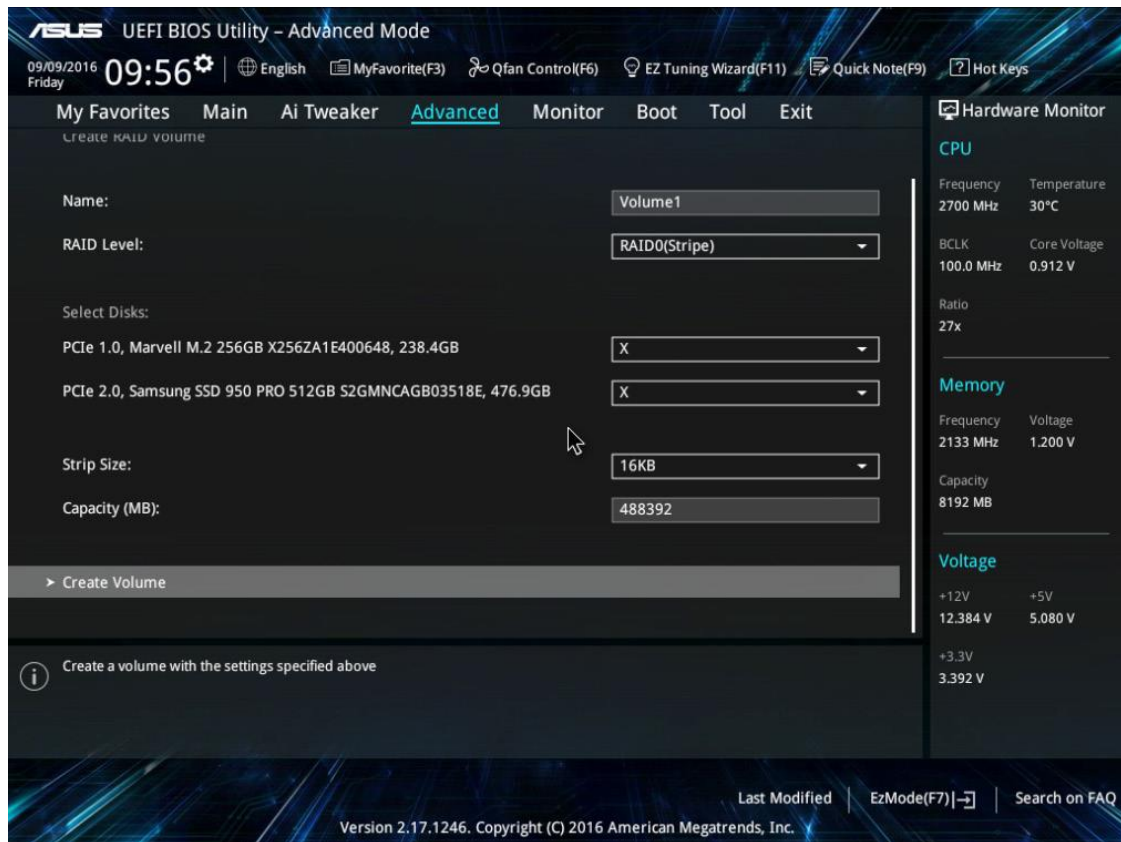


Figure 19

10. When completed, select the ODD or USB storage device as the boot device.
11. The USB driver will be loaded automatically during installation start-up.

The “Setup is starting...” screen appears when the USB driver is loaded successfully.

12. Follow the onscreen instructions to complete the initial configurations of Windows® 7 installation.
13. Click **Load Driver**.

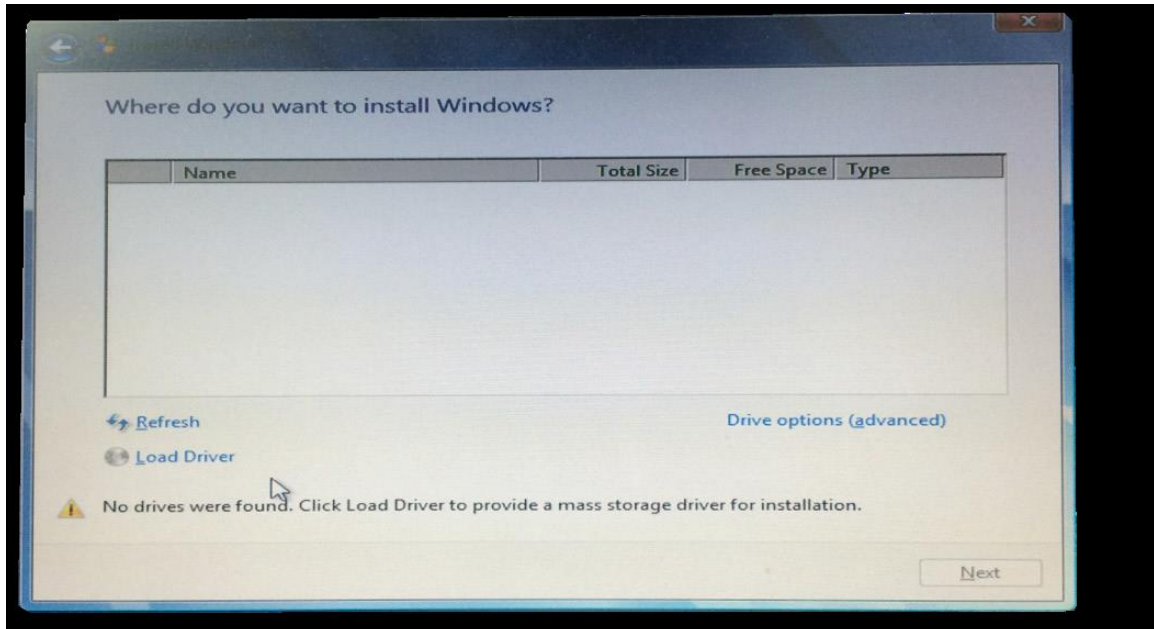


Figure 20

14. Select **KabyLake_RAID** and then click **OK**.

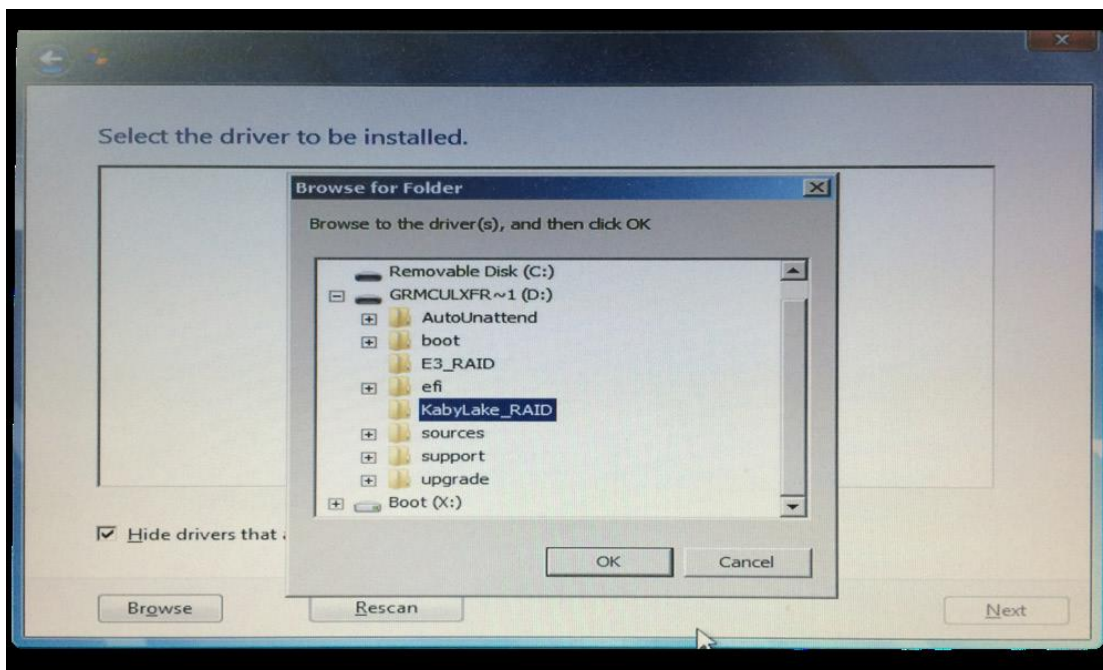


Figure 21

15. When the following screen appears, click **Next** to install RAID driver.

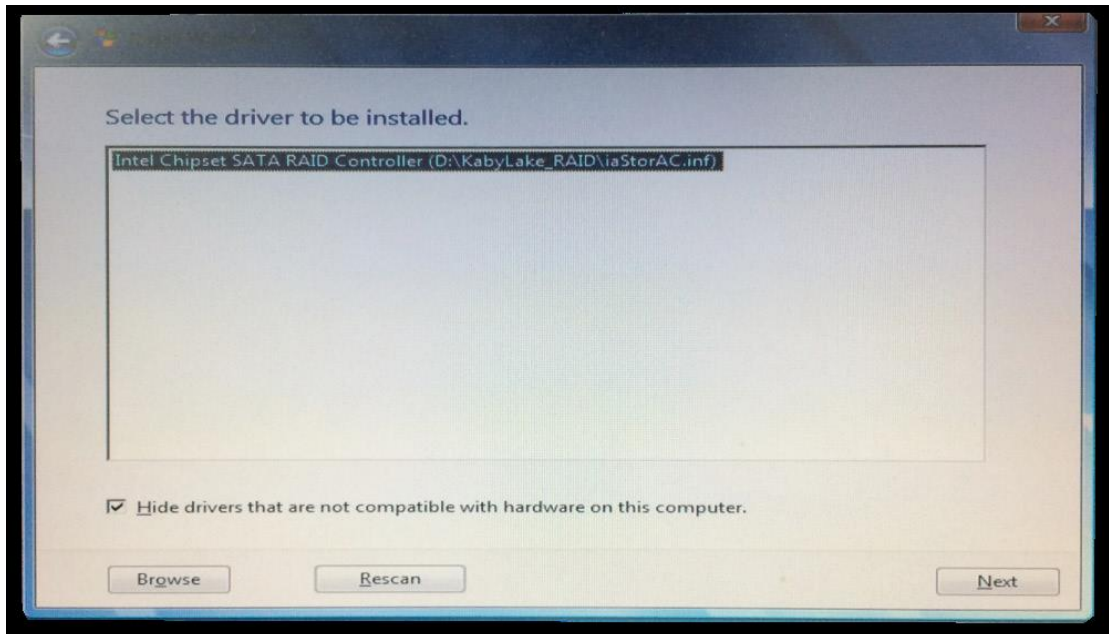


Figure 22

16. Follow the onscreen instructions to complete the Windows® 7 installation.