BIOS Update Instruction
By EFI Shell

IMPORTANT!

Only update your BIOS if system is unstable or bug solutions correspond with your needs. Flashing BIOS incorrectly has risk to damage your system. Please check the guide and follow all of steps.

Things to prepare:

- **USB 2.0 flash drive (Please format the USB flash drive to FAT)**
- **Notebook/Laptop**
- **Default power supply**
- **Internet connection**

Part 1: Creating EFI Bootable Flash Drive

1. Connect your USB flash drive to your notebook and format it to FAT32.

2. Please visit this page to download the tool to create the EFI bootable USB flash drive.
   http://download.msi.com/notebook_drivers/ap/efi_auto.zip

   NOTE: If you want to execute manually, please refer the manual in the following link.
   http://www.msi.com/files/pdf/Win8_BIOS_Update_Step_by_Step_Guide.pdf

3. Save the file to your Desktop.
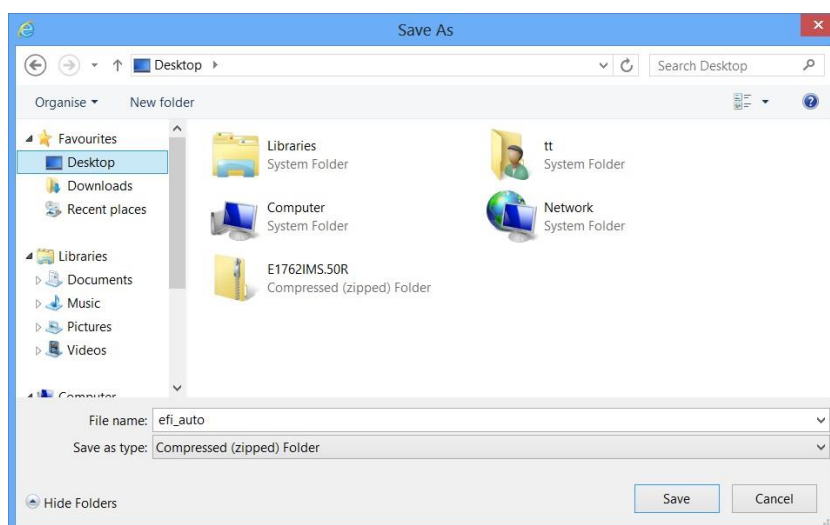
4. Extract the files from [EFI-AUTO.ZIP] to the root directory of your USB drive (should be formatted to FAT32).
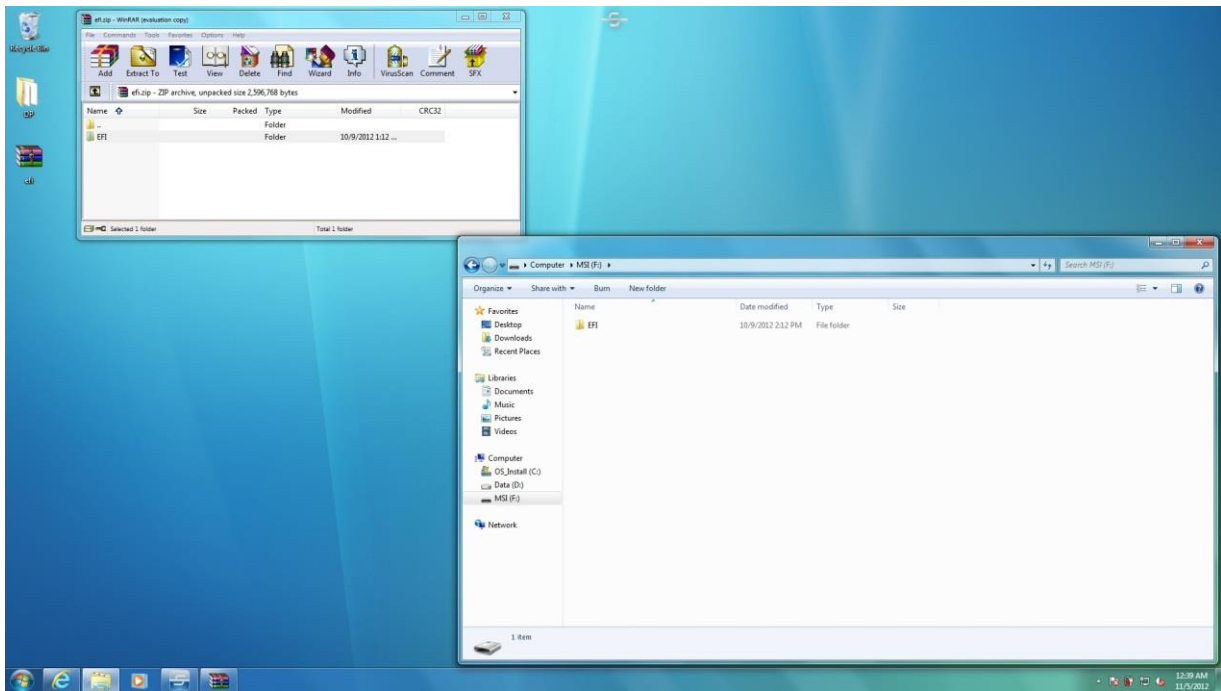
Note1: Please place the EFI folder to the correct path, or it will not be bootable correctly.
Note2: The following files should be in X:\EFI\BOOT (replace X with the dive letter of your USB drive):

      Bootx64.efi
      Shellx64.efi
      Shell.efi
      startup.nsh
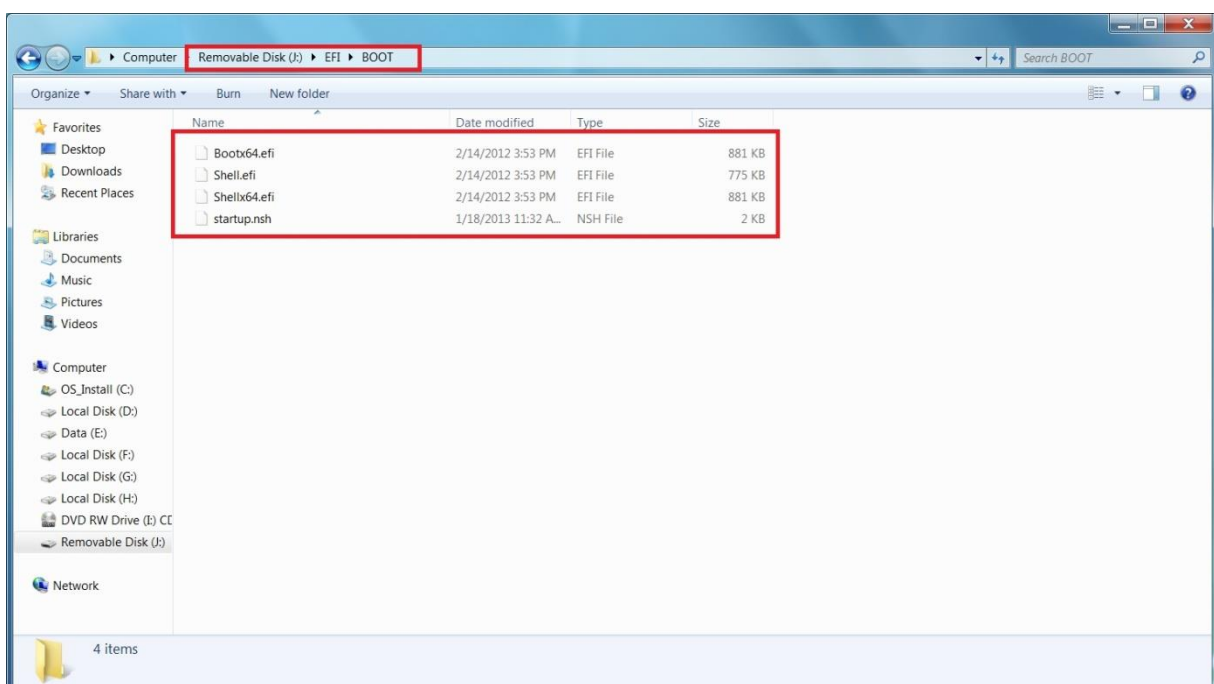
Part 2: Flashing Win8 UEFI BIOS

1. Visit MSI official website and download the corresponding Win8 BIOS of your system.

   Click on the link below and enter your product's name (such as: GT72S 6QF) in the search bar to find the BIOS download page of your notebook.
   https://www.msi.com/support

2. Extract the downloaded BIOS to the folder EFI\BOOT\ for later use.
   Note: The USB drive is the same drive used in Part 1.
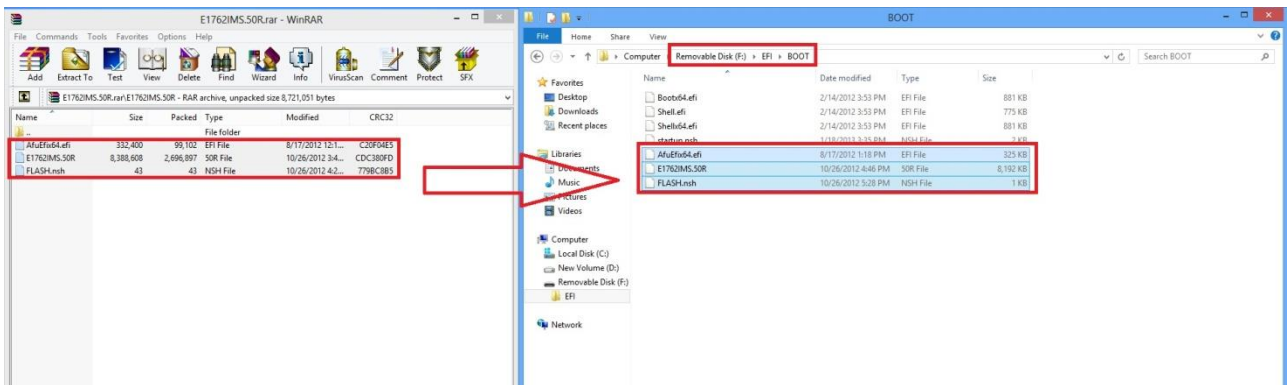
3. Please go to [Control Panel > Hardware and Sound > Power Options], and select [Choose what the power button does].
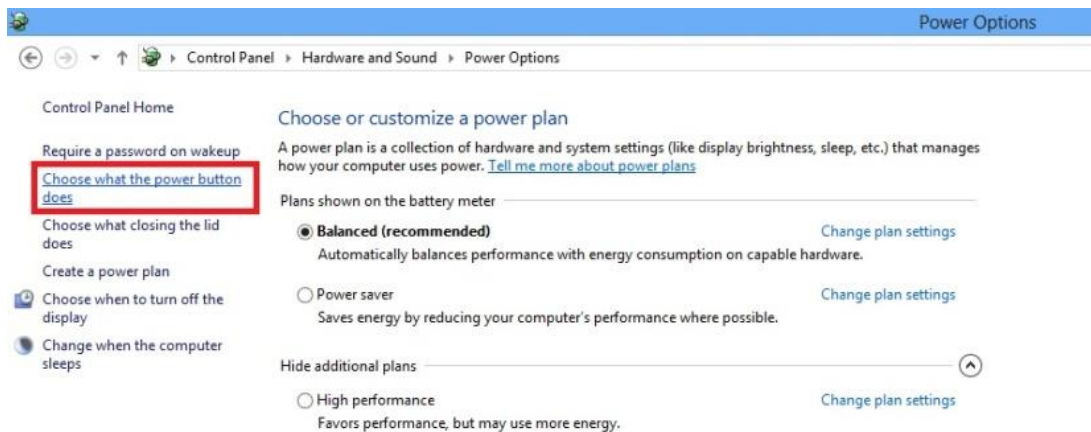
4. Select [Change settings that are currently unavailable] first, and uncheck [Turn on fast startup (recommended)]. Select [Save changes] to continue.
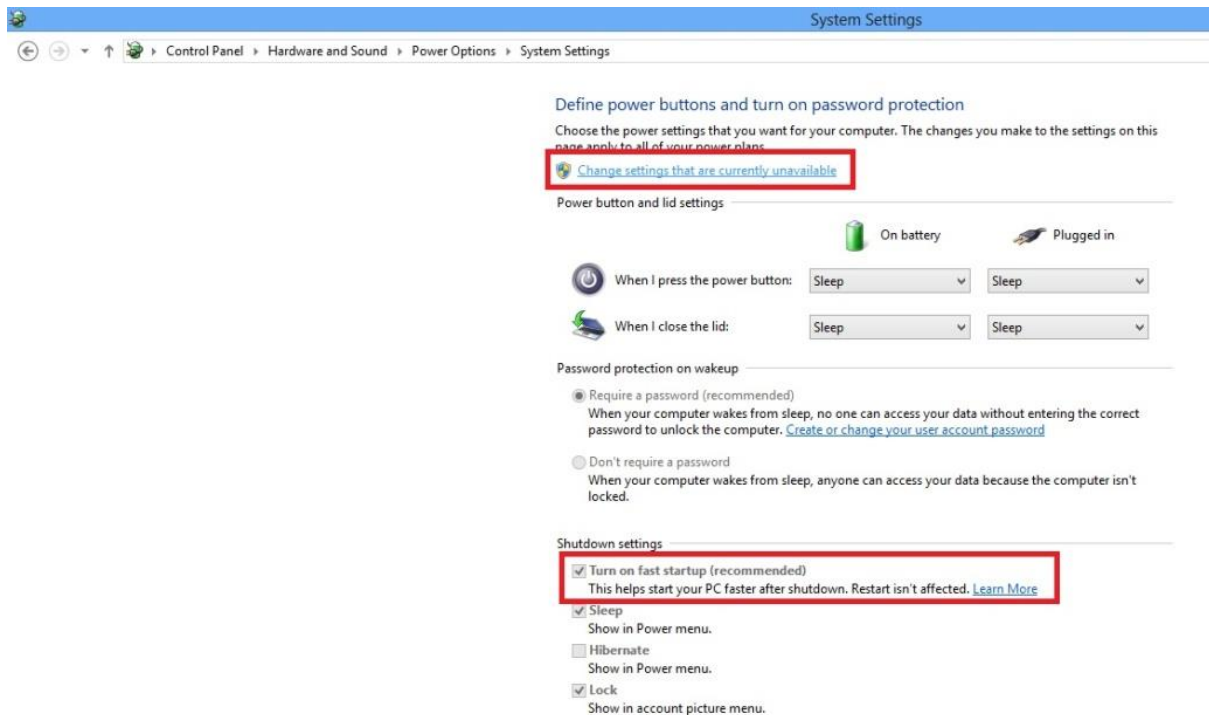
Note: If you want to use the fast startup function, you can go back here to check it on again after the BIOS is updated.

5. If above steps are finished, please shut down the system directly.
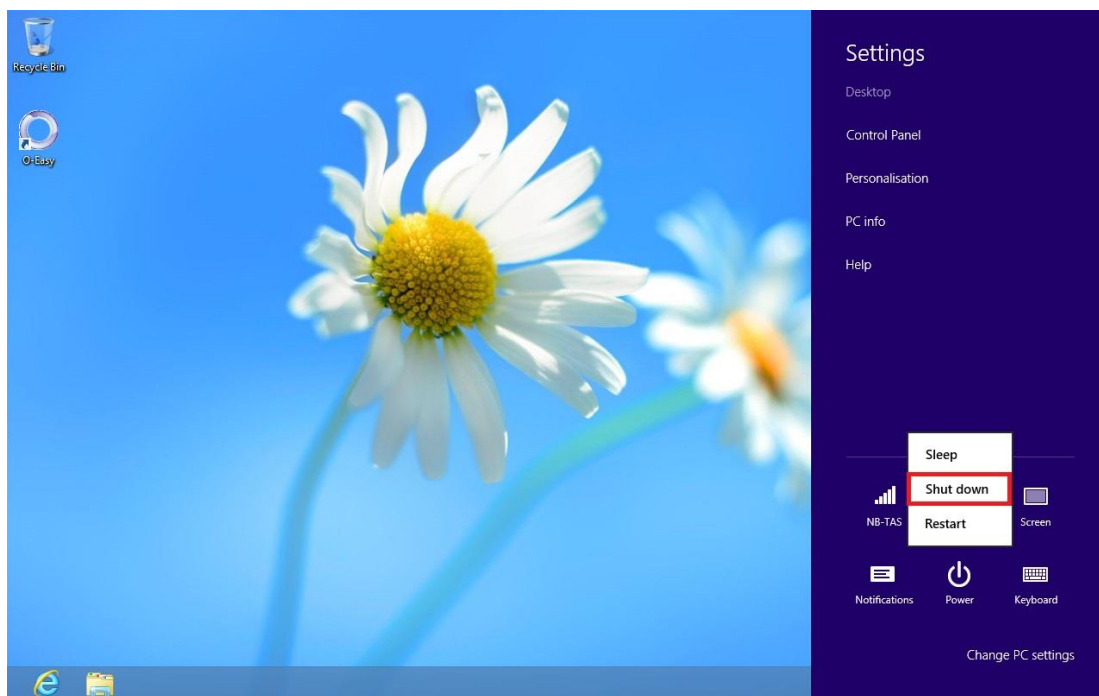
6. Power up your NOTEBOOK by plugging in power adapter. Make sure that NOTEBOOK is running AC power during the entire BIOS update process.
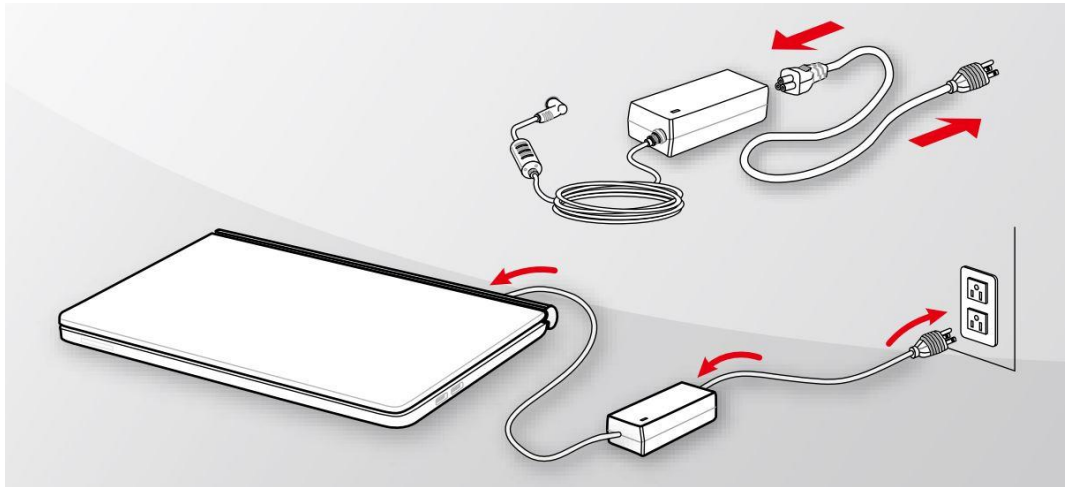
7. Power on NOTEBOOK and continue pressing [DEL] once MSI logo is displayed, until you are prompted to BIOS screen. See figure below:
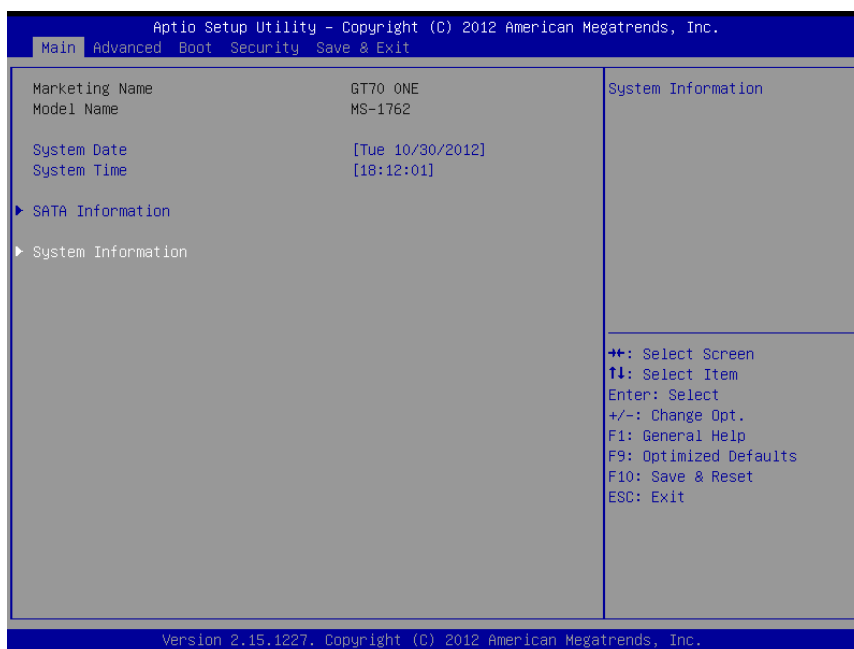
8. Under Security tab, look for the option [Secure Boot] and set it to [Disabled].

```
                Aptio Setup Utility - Copyright (C) 2012 American Megatrends, Inc.
      Main  Advanced  Boot  Security  Save & Exit

   Administrator Password:           Not Installed          Secure Boot flow control.
   User Password:                    Not Installed          Secure Boot is possible
                                                            only if System runs in User
   Administrator Password                                   Mode
   User Password
   Password Check                    [Setup]


   Secure Boot state                 Disabled

   Secure Boot                    ── Secure Boot ──
   Secure Boot Mode               Disabled
                                  Enabled

                                                            ↔: Select Screen
                                                            ↑↓: Select Item
                                                            Enter: Select
                                                            +/-: Change Opt.
                                                            F1: General Help
                                                            F9: Optimized Defaults
                                                            F10: Save & Reset
                                                            ESC: Exit



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```

9. Press [F10] to save and exit.

```
                Aptio Setup Utility - Copyright (C) 2012 American Megatrends, Inc.
      Main  Advanced  Boot  Security  Save & Exit

   Administrator Password:           Not Installed          Secure Boot flow control.
   User Password:                    Not Installed          Secure Boot is possible
                                                            only if System runs in User
   Administrator Password                                   Mode
   User Password
   Password Check                    [Setup]


   Secure Boot state                 Disabled
                               ── Save & reset ──
   Secure Boot
                             Save configuration and reset?


                                   Yes         No             ↔: Select Screen
                                                            ↑↓: Select Item
                                                            Enter: Select
                                                            +/-: Change Opt.
                                                            F1: General Help
                                                            F9: Optimized Defaults
                                                            F10: Save & Reset
                                                            ESC: Exit



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```

10. After system restarts, press function key [F11] to enter boot device menu. Select your USB device by pressing the arrow up/down key, then press enter.


```
Please select boot device:

UEFI: General USB Flash Disk 0.00
UEFI: Network IPv4 Device
UEFI: Network IPv6 Device

↑ and ↓ to move selection
ENTER to select boot device
ESC to boot using defaults
```
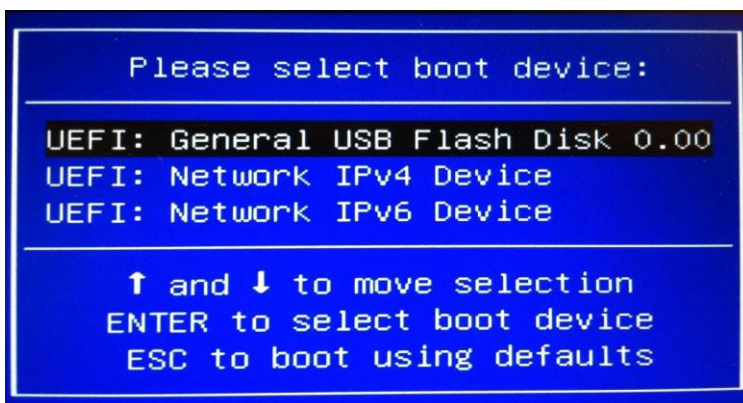
11. During the booting procedure, the system will prompt you whether if you want to update the BIOS. You can press [q] to exit, or press any key to start updating.

```
Found EFI Update Script on fs1:
======================================================================
This utility will allow you to update the EFI firmware.


==----------Update-Script-Details------------==
type: fs1:\FLASH.NSH, Size 43

AfuEfix64.efi E1762IMS.50R /p /b /n /k /r


==------------------------------------------==



If you don't want to update, press 'q', else press any key to update!
======================================================================
Enter 'q' to quit, any other key to continue: _
```
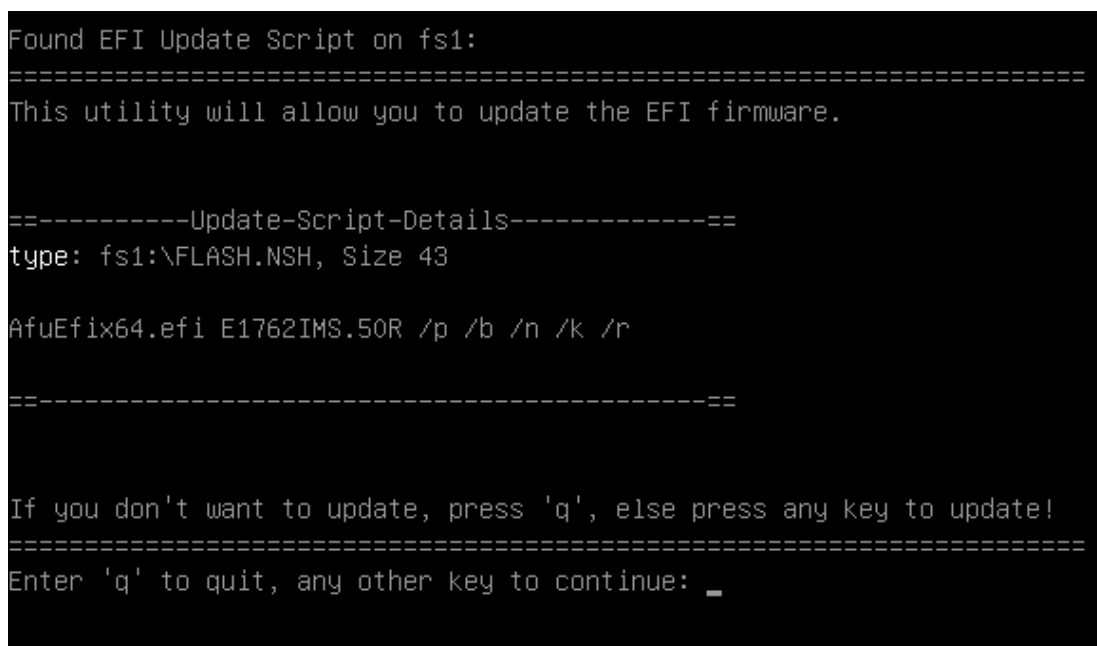
12. Once BIOS flashing is done, type the command [reset] then press enter.

```
10/26/12  04:28p                    43  FLASH.NSH
10/26/12  04:28p                    47  FLASH_ME.NSH
        4 File(s)    8,721,098 bytes
        2 Dir(s)

        保存屏幕
fs4:\E1762IMS.5   flash
flash> AfuEfix  fi E1762IMS.50R /p /b /n /k /r
+--------------------------------------------------------------+
|            AMI Firmware Update Utility  v3.03.00             |
|      Copyright (C)2012 American Megatrends Inc. All Rights Reserved.   |
+--------------------------------------------------------------+
 Reading flash ................ done
 - ME Data Size checking . ok
 Secure Flash enabled, recalculate ROM size with signature...
 - FFS checksums ......... ok
 Loading capsule to secure memory buffer ... done
 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 NVRAM Block ......... done
 Updating NVRAM Block ........ done
 Verifying NVRAM Block ....... done
 Erasing NCB Block ........... done
 Updating NCB Block .......... done
 Verifying NCB Block ......... done

fs4:\E1762IMS.50R> reset_
```
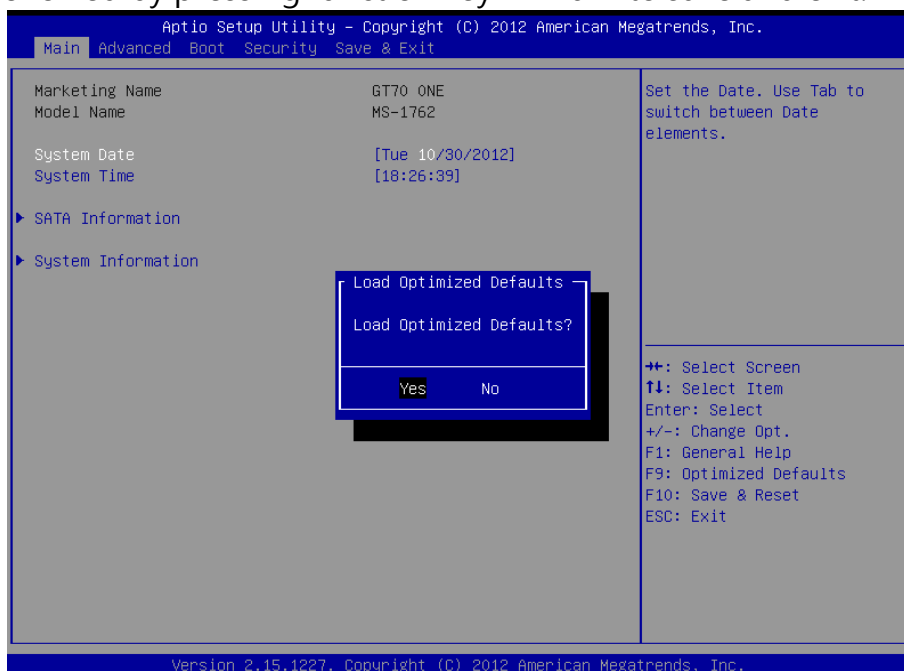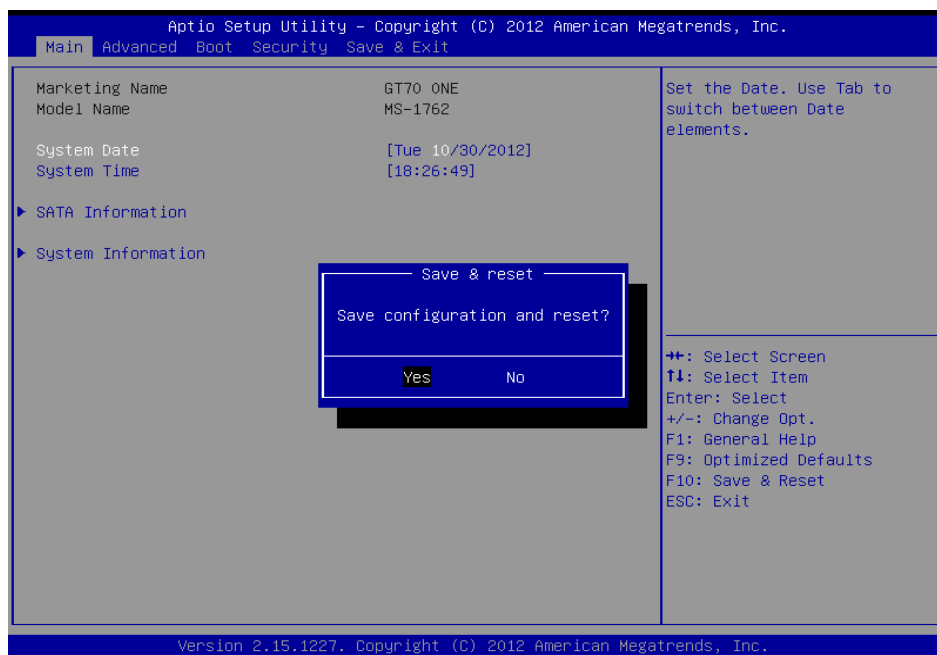
13. Once the system restarts and BIOS POST logo appears, press [DEL] to enter BIOS set-up. Afterwards, press function key [F9] to load BIOS optimized defaults. Then followed by pressing function key "F10" to save and exit.

```
          Aptio Setup Utility - Copyright (C) 2012 American Megatrends, Inc.
 Main  Advanced  Boot  Security  Save & Exit

 Marketing Name              GT70 ONE          Set the Date. Use Tab to
 Model Name                  MS-1762           switch between Date
                                               elements.
 System Date                 [Tue 10/30/2012]
 System Time                 [18:26:39]

 ▶ SATA Information

 ▶ System Information
                    ┌─ Load Optimized Defaults ─┐
                    │                           │
                    │  Load Optimized Defaults? │
                    │                           │
                    │   ┌─────┐                 │
                    │   │ Yes │      No         │   →←: Select Screen
                    │   └─────┘                 │   ↑↓: Select Item
                    └───────────────────────────┘   Enter: Select
                                                     +/-: Change Opt.
                                                     F1: General Help
                                                     F9: Optimized Defaults
                                                     F10: Save & Reset
                                                     ESC: Exit

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```

```
              Aptio Setup Utility - Copyright (C) 2012 American Megatrends, Inc.
     Main  Advanced  Boot  Security  Save & Exit

     Marketing Name              GT70 ONE              Set the Date. Use Tab to
     Model Name                  MS-1762               switch between Date
                                                       elements.
     System Date                 [Tue 10/30/2012]
     System Time                 [18:26:49]

   ▶ SATA Information

   ▶ System Information
                        ┌─────── Save & reset ───────┐
                        │                            │
                        │  Save configuration and reset?  │
                        │                            │      ↔: Select Screen
                        │                            │      ↑↓: Select Item
                        │        Yes        No       │      Enter: Select
                        └────────────────────────────┘      +/-: Change Opt.
                                                             F1: General Help
                                                             F9: Optimized Defaults
                                                             F10: Save & Reset
                                                             ESC: Exit


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```

14. Windows 8 BIOS has been successfully updated