

For those of you who have Windows installed on your system, each motherboard manufacturer has a website page on how to update the BIOS (see Option 2). However, the following methods are alternatives to updating the BIOS in Windows with a motherboard manufacturer's own utilities.

**CAUTION: DO NOT POWER DOWN OR INTERRUPT THE FLASHING PROCESS ONCE IT HAS STARTED. DOING SO COULD MAKE YOUR MOTHERBOARD COMPLETELY UN-  
USABLE. LET THE PROCESS COMPLETE ON IT'S OWN**

*The following guides are for updating Gigabyte motherboard*

BIOS.

## Option 1: Q-Flash Method

Motherboard BIOS utility. Prepare from OS X. Easy Method for GUI oriented souls.

- ☐ Boot into the BIOS and note the settings that you changed as part of your initial installation.
- ☐ Go to the official page for your particular motherboard to download the latest BIOS;



GA-Z87MX-D3H (rev. 1.x)  
Intel® Z87 Chipset

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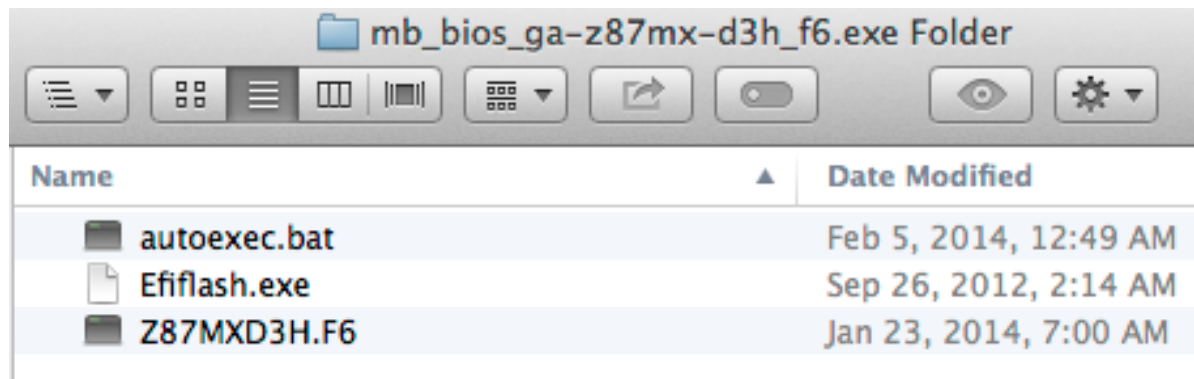
Version	Size	Date	Download Here	Description
F8	5.99 MB	2014/01/24	<a href="#">Asia</a> <a href="#">China</a> <a href="#">America</a> <a href="#">Europe</a> Europe(Russia) : <a href="#">FTP</a> / <a href="#">Http</a>	1. Support New 4 <sup>th</sup> Generation Intel Core Processors

- ☐ Uncompress the BIOS compressed ".exe" file with OS X compression tools [Stuffit Expander](#),

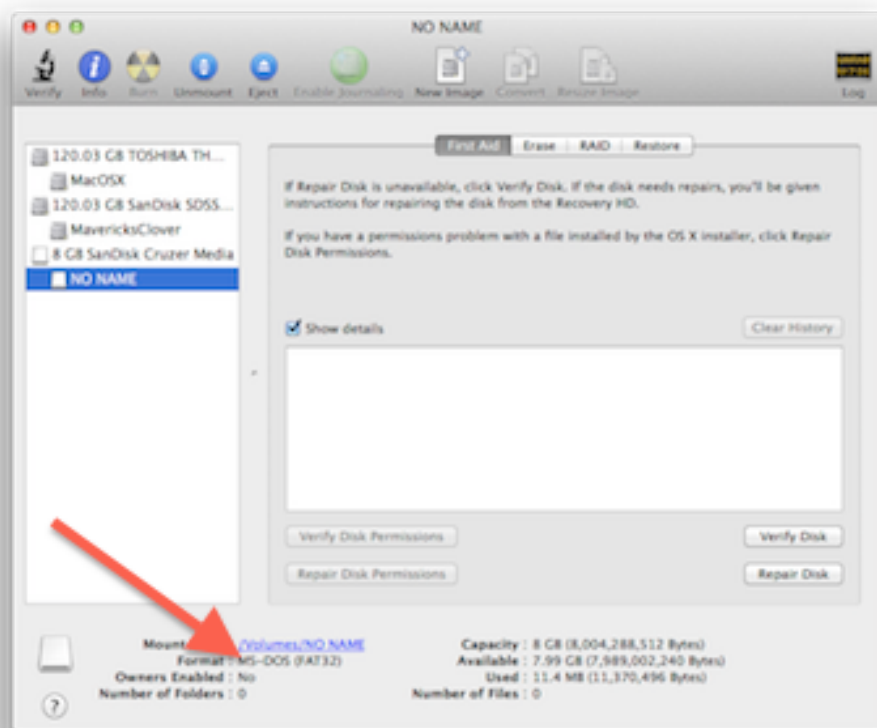
[The Unarchiver](#), [UnRarX](#) or a [similar utility](#) as Apple's OS X Archive app doesn't unpack ".exe" files;

- ☐ Extract the BIOS from the ".exe" file (below is using Stuffit Expander);





- ☐ Format a USB Thumb drive in FAT32 format;

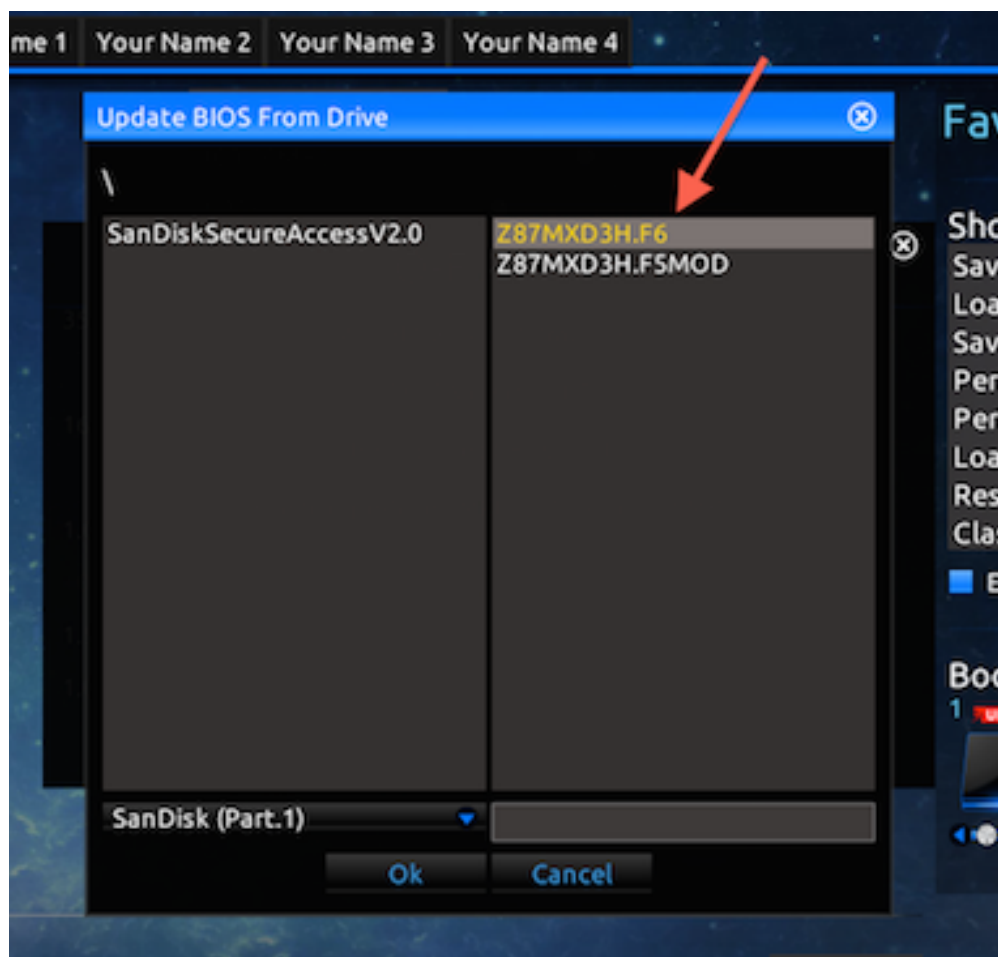


Today, most new USB thumb drives come pre-formatted in FAT32, so you can change the name in the Finder by single clicking the USB drive "NO NAME" and pressing the Return key which will highlight the "NO NAME", and you can rename it.

- ☐ Copy the BIOS file onto the USB Thumb drive;
- ☐ Boot the computer into the BIOS; and

- ☐ Use the BIOS's update function (Q-Flash for Gigabyte motherboards) to update the BIOS.





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☐ Reboot back into the BIOS, Load the Optimal Defaults and reset any BIOS parameters.

Congratulations! You've now updated your BIOS.

## **Option 2: @BIOS Method**

Gigabyte supplies a Windows app to update your BIOS. If you have a windows installation, this could be a good option, as it's supplied on the motherboard DVD and Support downloads. See the official document [here](#).

### Option 3: USB Drive with FreeDOS + BIOS file

However, if you can deal with the olde MS-DOS prompt, then here are a few more options for you. (Not for the faint of heart.)

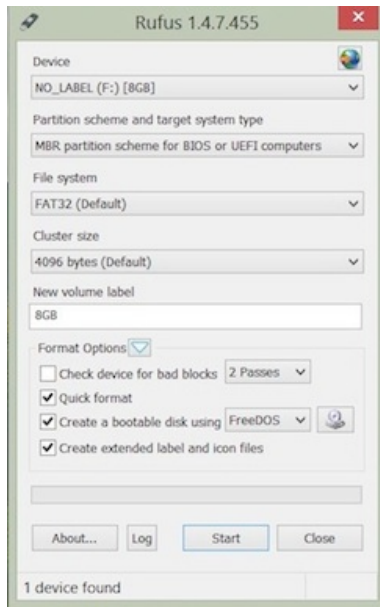
Method 1: (Create a USB Flash drive on OS X) [MacMan's Guide](#) for using FreeDOS on a USB Thumb Drive. But, first, boot into the BIOS and note the settings that you changed as part of your initial installation.

Method 2. (Create a USB Flash drive on Windows) Recommended by wildwillow. This method has an [excellent guide here](#). But, first, boot into the BIOS and note the settings that you changed as part of your initial installation.

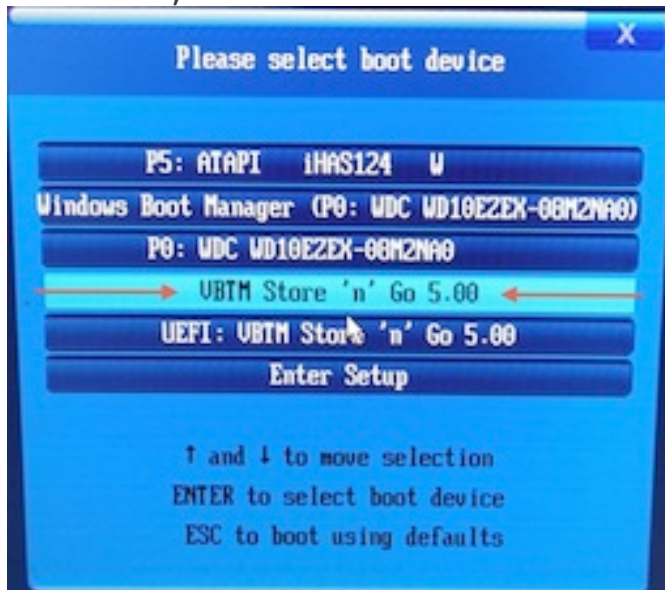
Method 3. (Create a USB Flash drive on Windows) trs96 found this (XP through 8.1) [Method](#) using Eflash\* (included in UEFI BIOS downloads) and **Rufus** on a 8GB USB thumb drive.

- ☐ Boot into the BIOS and note the settings that you changed as part of your initial installation.
- ☐ Download the BIOS ".exe" file (see Option 1) and [Rufus](#);
- ☐ Create the FreeDos bootable USB using Rufus and leave all the settings at stock;





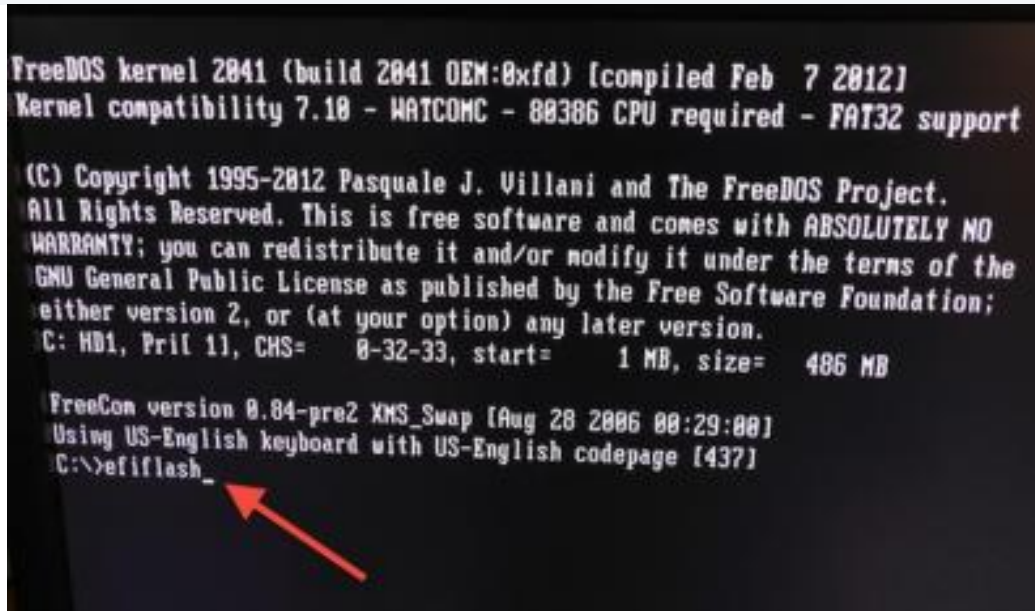
- ☐ Double click on the BIOS ".exe" file to extract BIOS file and Eflash.exe  
(delete the autobat file as it isn't needed);
- ☐ Add the BIOS file and Eflash.exe to the USB drive;
- ☐ Reboot and press F12 to go to the BOOT Menu;
- ☐ Select the USB thumb drive and press enter to run in the DOS environment;



- ☐ At the command prompt, type:  
Code:



```
C:/>Eflash <--- This will start the
Eflash tool.
C:/>Eflash <BIOS file> <--- For example,
Z87MXD3H.F4
```

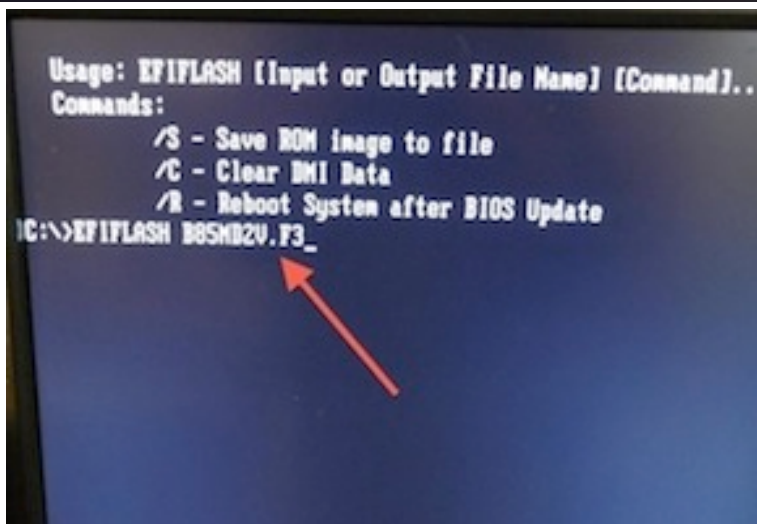


FreeDOS kernel 2041 (build 2041 OEM:0x4d) [compiled Feb 7 2012]  
Kernel compatibility 7.10 - MATCOMC - 80386 CPU required - FAT32 support

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WARRANTY; you can redistribute it and/or modify it under the terms of the  
GNU General Public License as published by the Free Software Foundation;  
either version 2, or (at your option) any later version.  
C: HD1, Pril 11, CHS= 0-32-33, start= 1 MB, size= 486 MB

FreeCon version 0.84-pre2 XMS\_Swap [Aug 28 2006 00:29:00]  
Using US-English keyboard with US-English codepage [437]  
C:\>eflash\_

A red arrow points to the end of the command line.



Usage: EFIFLASH [Input or Output File Name] [Command]..  
Commands:  
/S - Save ROM image to file  
/C - Clear DMI Data  
/R - Reboot System after BIOS Update

C:\>EFIFLASH B85MD2U.F3\_

A red arrow points to the end of the command line.

☐ Hit enter and it's all taken care of automatically from there.

\* FLASHSPI.EXE was used in earlier Gigabyte BIOS releases instead of Eflash.exe. Same use.

**Gigabyte Socket 1150 Haswell 8-Series Motherboards:**

<http://www.gigabyte.com/products/lis...jid=0&p=2&v=31>

**Gigabyte Socket 1155 Ivy Bridge 7-Series and Sandy Bridge 6-Series Motherboards:**

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**Gigabyte Socket 2011 X79/C606 Motherboards:**

<http://www.gigabyte.com/products/lis...jid=0&p=2&v=28>

**How to Reflash BIOS:**

<http://www.gigabyte.com/webpage/20/H...flashBIOS.html>

**Related:**

<http://www.tonymacx86.com/dsdt/12464...fied-bios.html>

[Gigabyte Backup BIOS](#)

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