



How to made a DOS Bootable USB Stick and flash your VBIOS

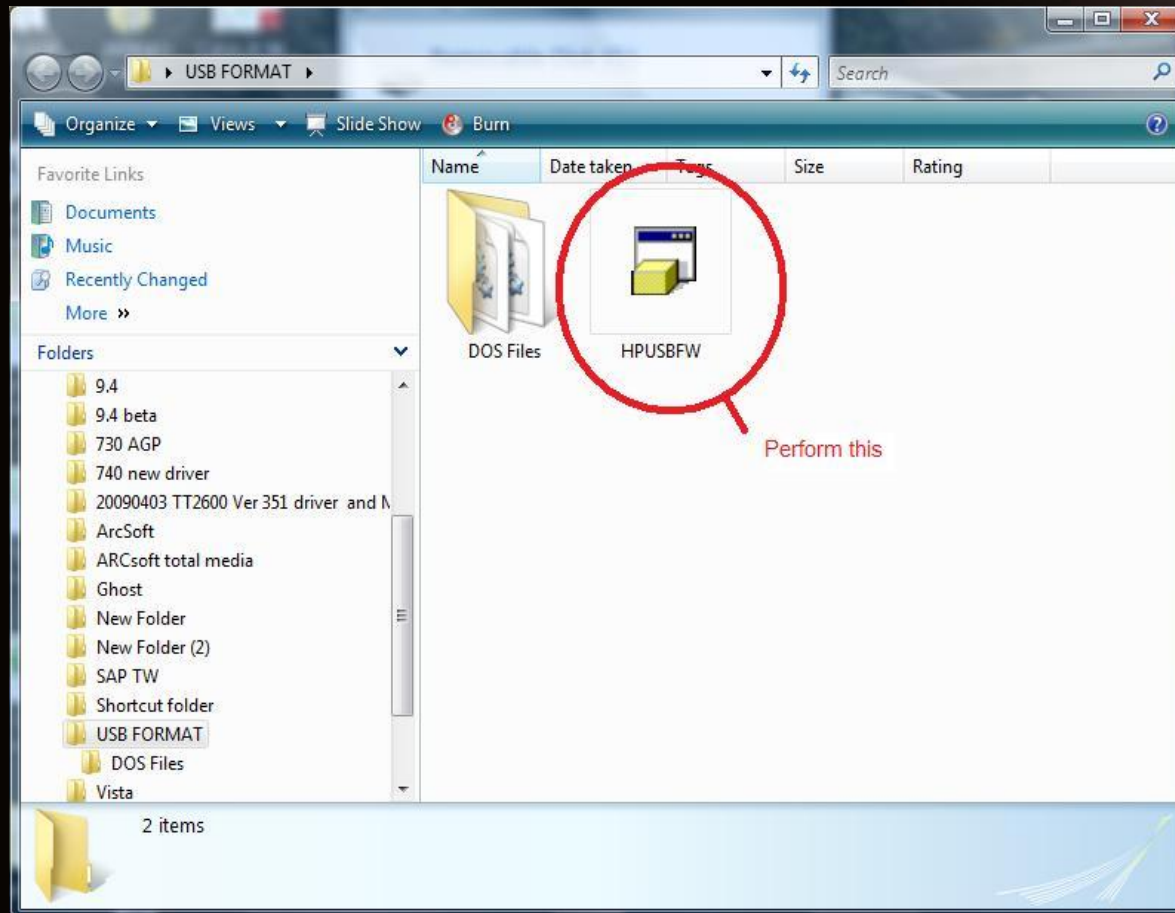
Please note: The Vbios example is for VAPOR-X HD7950 3G GDDR5 PCI-E
DL-DVI-I+SL-DVI-D / HDMI / DP OC WITH BOOST series.
Before doing this, please backup your original USB stick files

Performance is our Passion....

Step-1



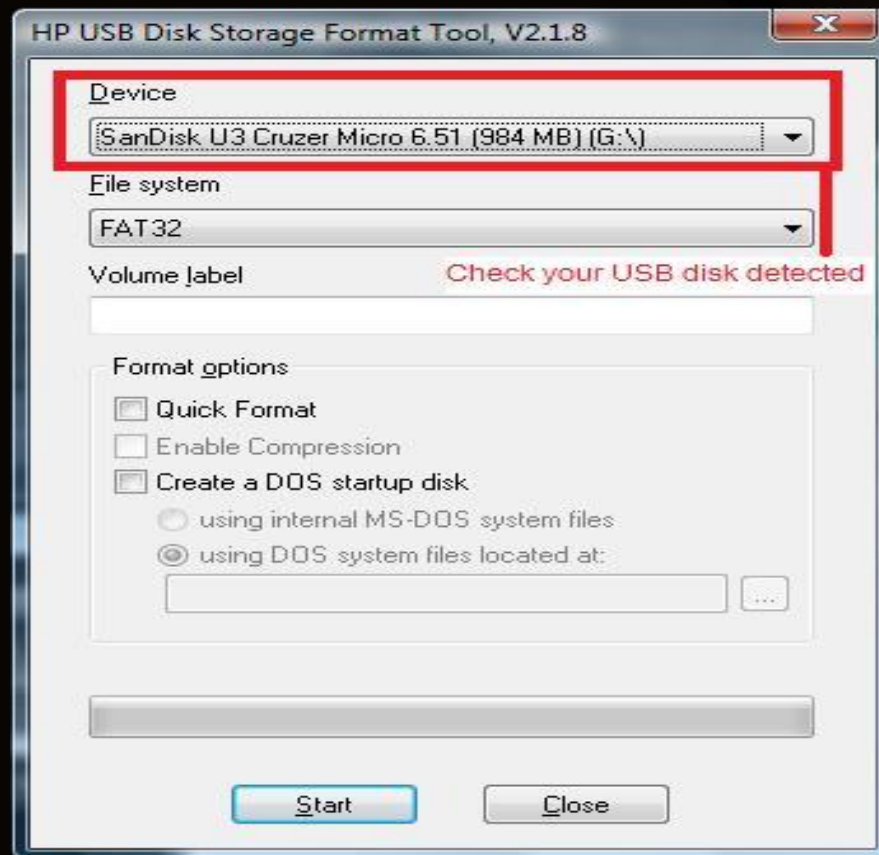
- Unzip “68.rar” file. You can see as follow picture
- Here is the file link: http://www.sapphiretech.com/global/lib_files/68.rar



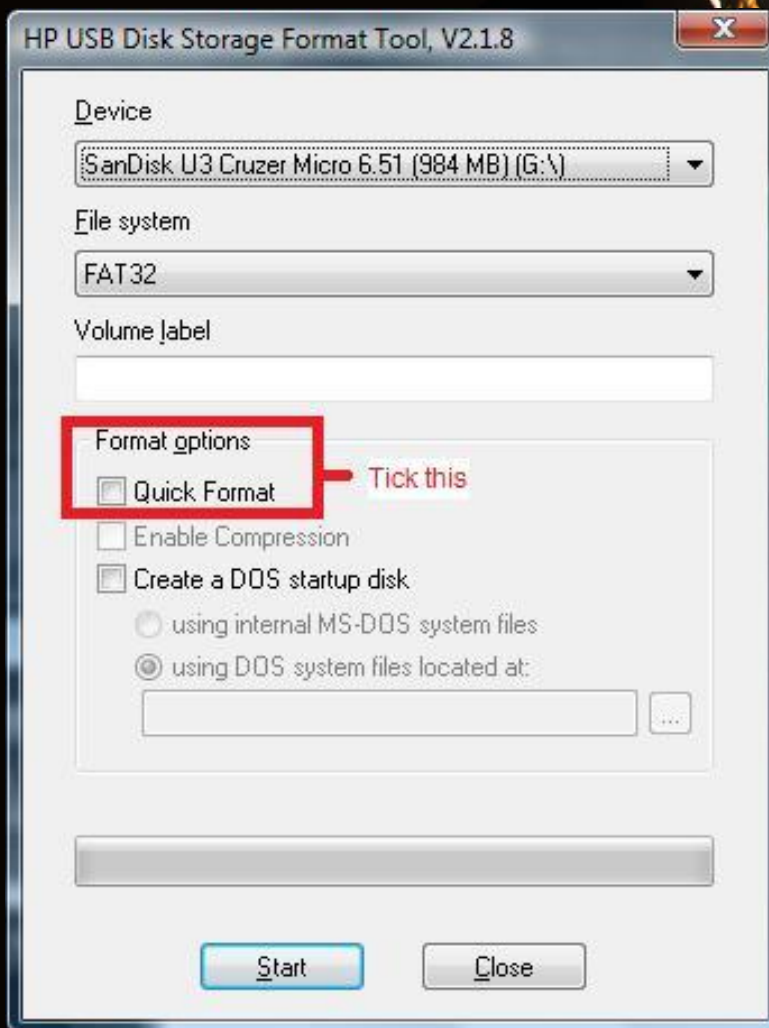
Step-2



- Connect your USB stick and perform the **HPUSBFW** program
- Check your USB stick has been detected.



Step-3



Step-4



HP USB Disk Storage Format Tool, V2.1.8

Device
SanDisk U3 Cruzer Micro 6.51 (984 MB) (G:\)

File system
FAT32

Volume label

Format options

☒ Quick Format

☐ Enable Compression

☒ Create a DOS startup disk

☐ using internal MS-DOS system files

☒ using DOS system files located at:

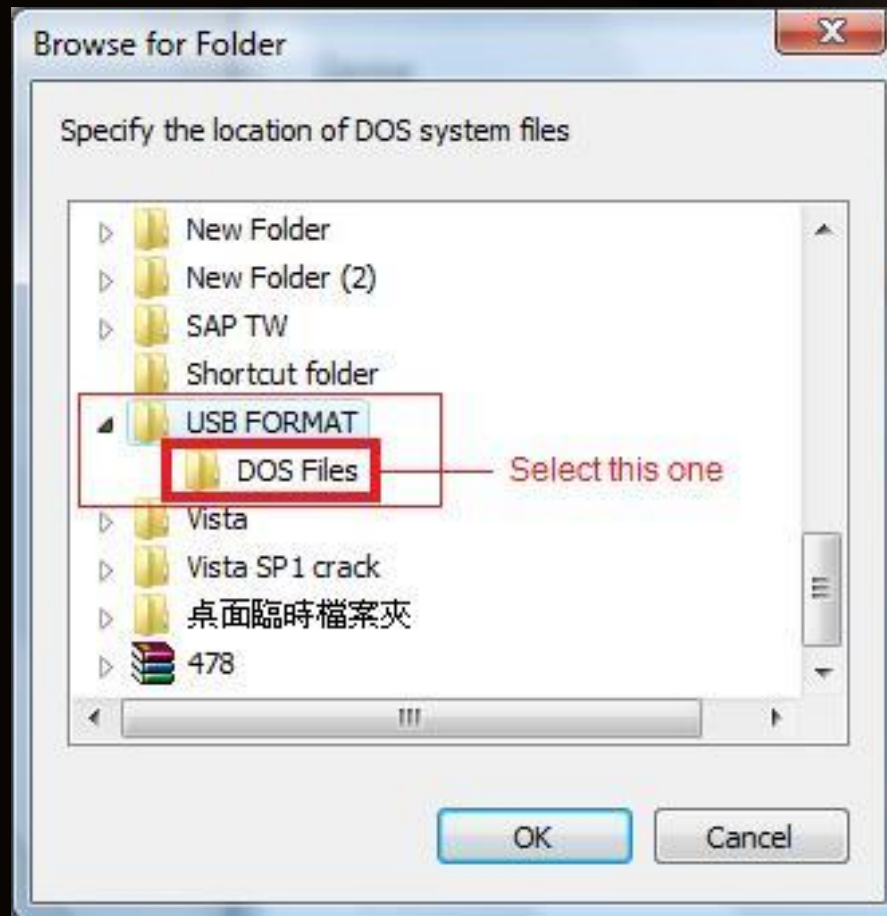
Assign the DOS system files path

Start Close

Step-5



- Assign the “DOS files” path from your USB FORMAT folder



Step-6



HP USB Disk Storage Format Tool, V2.1.8

Device
SanDisk U3 Cruzer Micro 6.51 (984 MB) (G:\) ✓

File system
FAT32

Volume label
[Empty text box]

Format options
☒ Quick Format ✓
☐ Enable Compression
☒ Create a DOS startup disk ✓
☐ using internal MS-DOS system files
☒ using DOS system files located at:
C:\Users\ericlin.SAPPHIRE-TWDC01\Desktop ✓

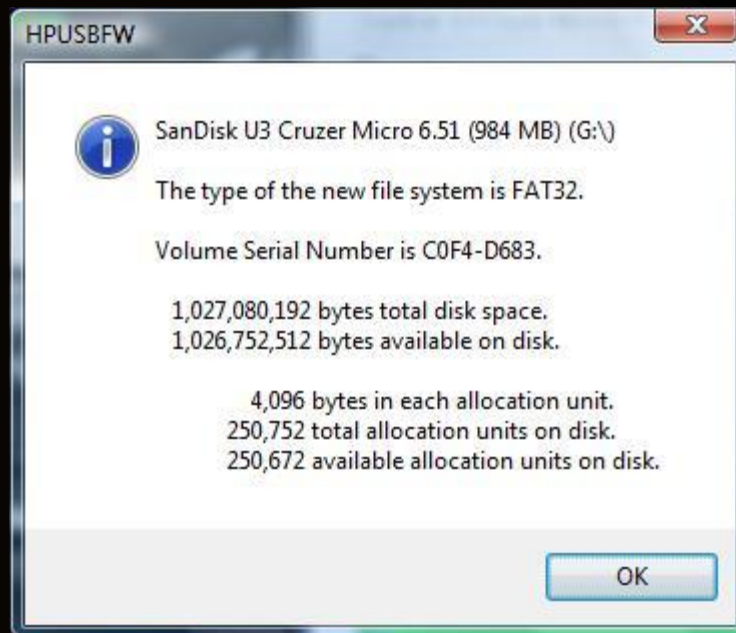
[Empty progress bar]

Start Format your USB disk Close

Step-7



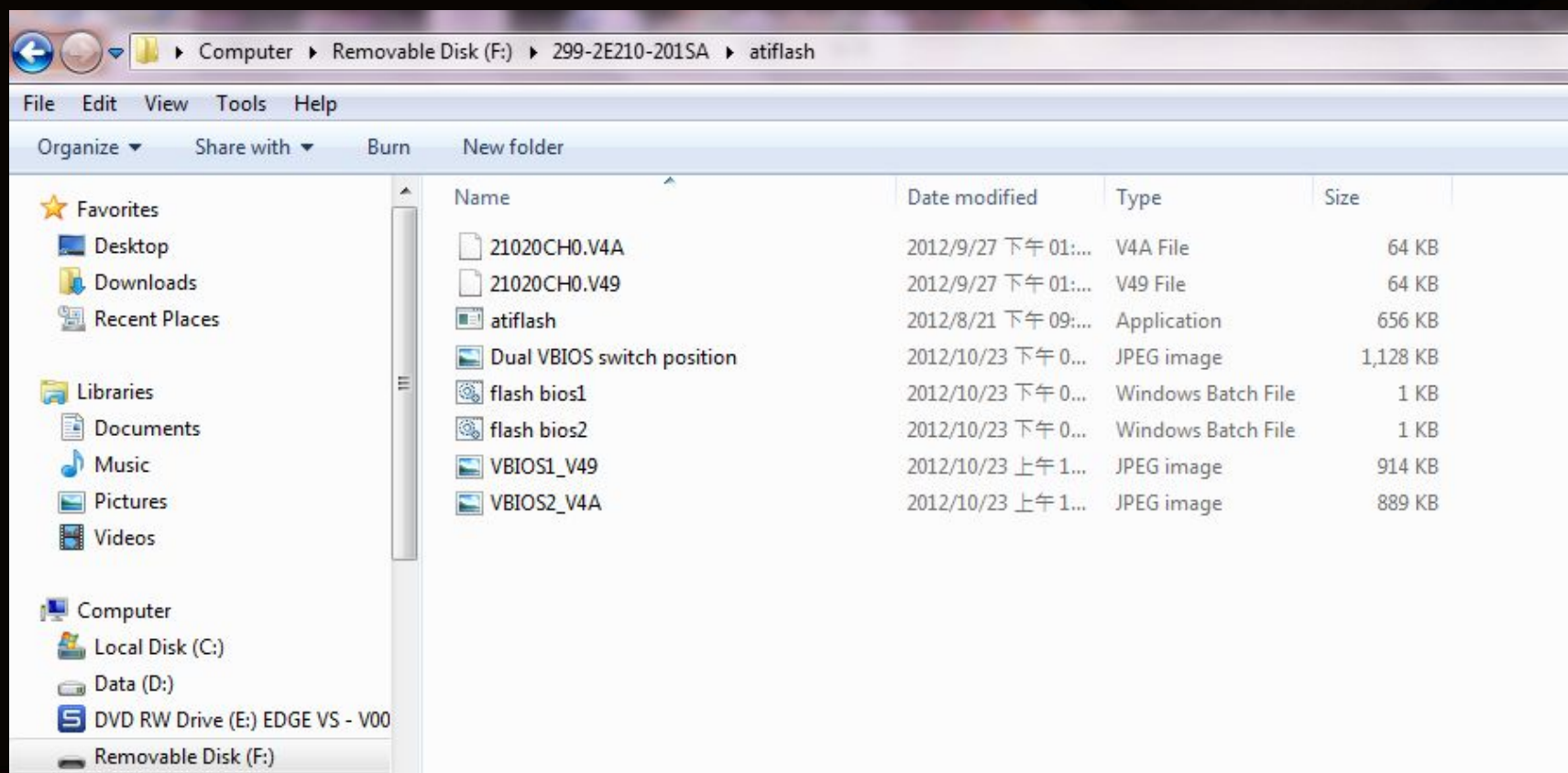
- After format your USB Stick you will see this information



Step-8



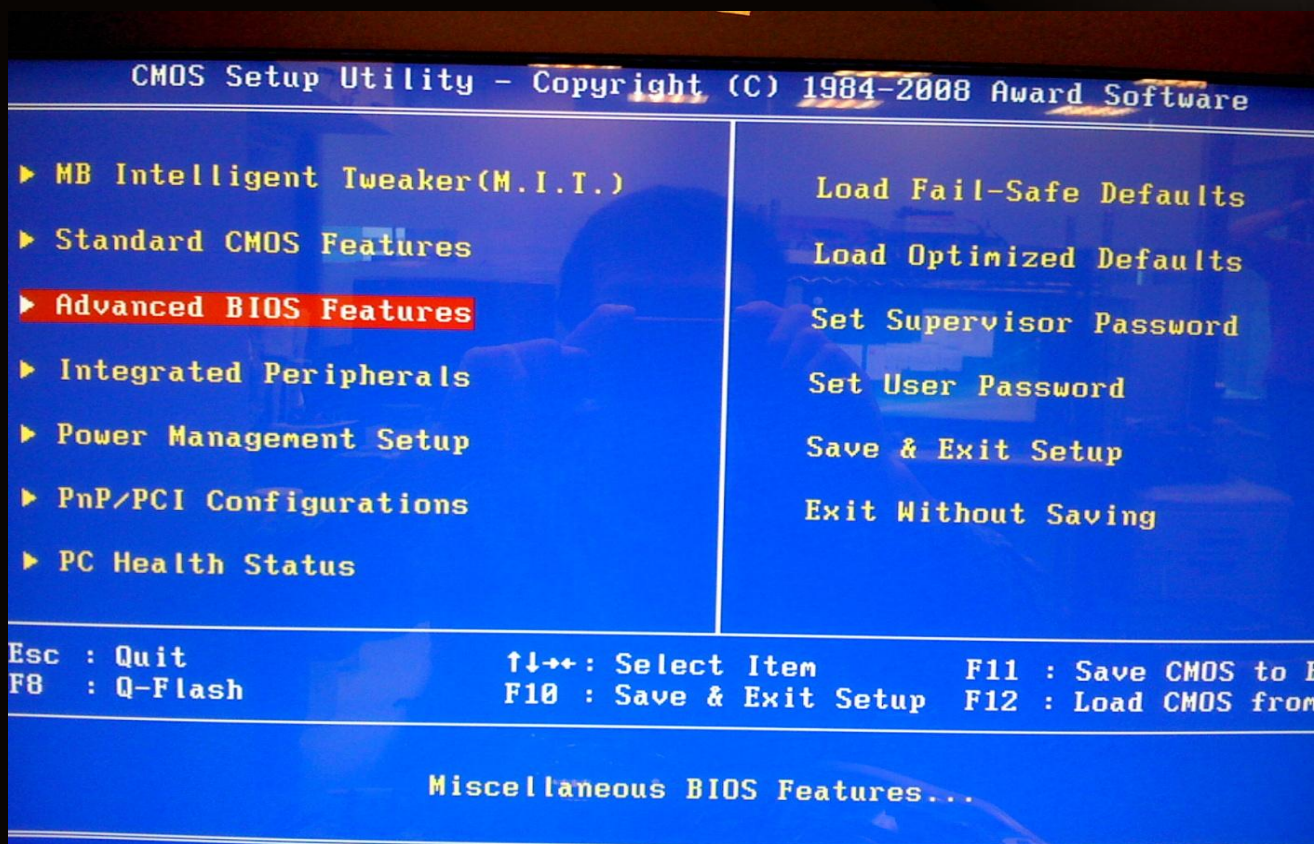
- Unzip and save these files into your USB stick directly and reboot your system again through this USB Stick



Step-9



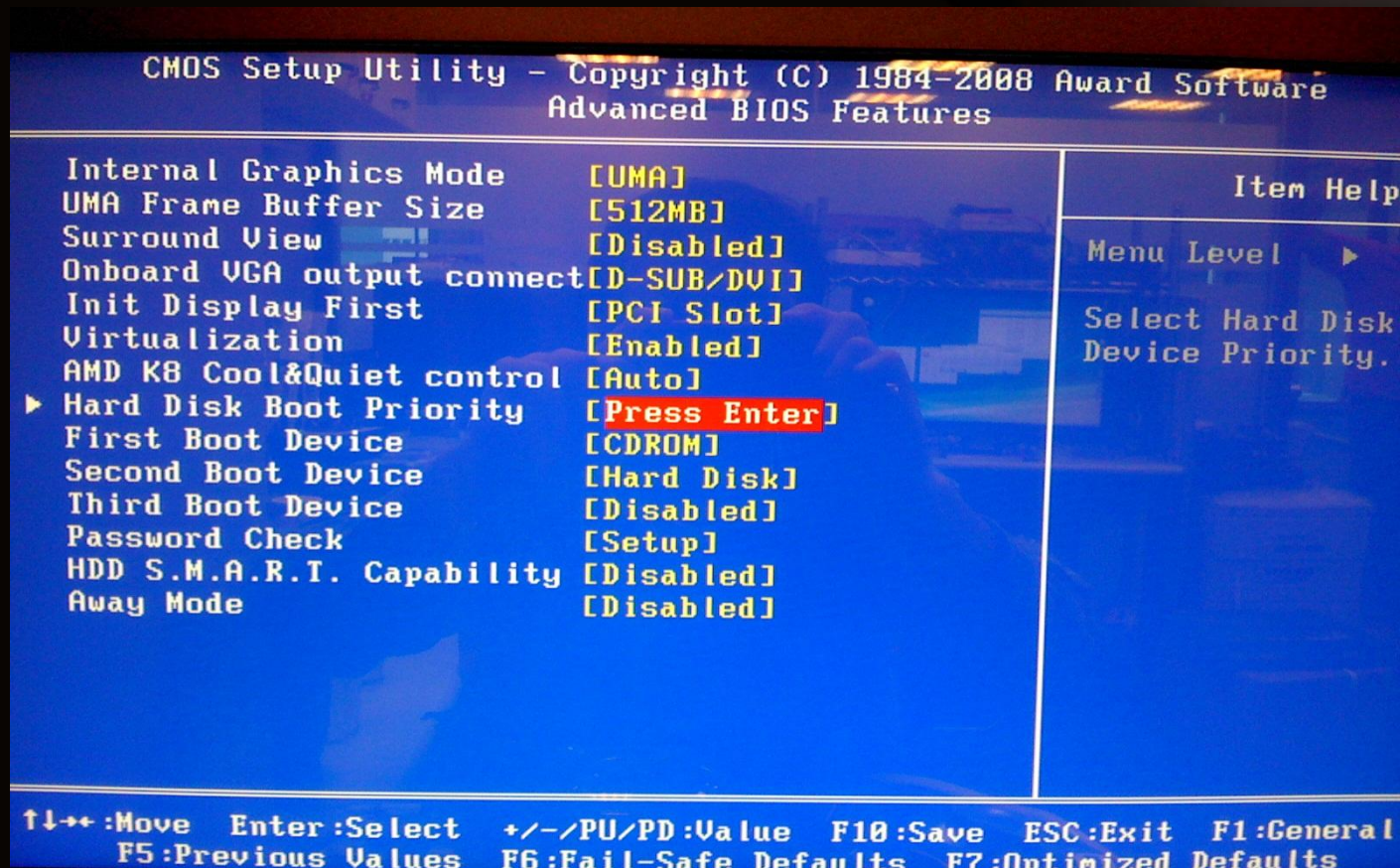
- Enter motherboard bios setting menu and select “Advanced BIOS Features”



Step-10



- Looking for “ **Hard Disk Boot Priority**” and select it.



Step-11



- Change your first hard disk boot priority to your **USB stick name**, save and reboot again. It will automatically enter DOS mode.



Step-12



- See below photo to make sure the board will boot with the VBIOS1.
- The Sapphire logo light would not turn on , that means we are in VBIOS1 to boot up.



Step-13



- Then boot into pure dos mode and you will see this screen shot as follow -



Step-14



- Type “flashb~1” command as follow and it will automatically flash the VBIOS1

```
.          <DIR>          10-23-12   5:14p
..         <DIR>          10-23-12   5:14p
21020CH0 V49           65,536   09-27-12   1:34p
21020CH0 V4A           65,536   09-27-12   1:34p
ATIFLASH EXE          671,744   08-21-12   9:41p
DUALVB~1 JPC        1,154,944   10-23-12   4:39p
FLASHB~1 BAT              29   10-23-12   4:45p
FLASHB~2 BAT              29   10-23-12   4:46p
VBIOS1~1 JPC          935,158   10-23-12  10:34a
VBIOS2~1 JPC          909,591   10-23-12  10:34a
      8 file(s)          3,802,567 bytes
      2 dir(s)          448,389,120 bytes free

C:\299-2E~1\ATIFLASH>
C:\299-2E~1\ATIFLASH>
C:\299-2E~1\ATIFLASH>flashb~1
```


Step-15



- After flash your Vbios1 , please shutdown your system.

```
C:\299-2E~1\ATIFLASH>
C:\299-2E~1\ATIFLASH>
C:\299-2E~1\ATIFLASH>
C:\299-2E~1\ATIFLASH>flashb~2

C:\299-2E~1\ATIFLASH>atiflash -p 0 21020CH0.V4A -f
Old SSID: 3000
New SSID: 3000
Old P/N: 113-210P2EL-X00
New P/N: 113-210P2HY-V0A
Old DeviceID: 679A
New DeviceID: 679A
Old Product Name: Tahiti B0 PROH2 C38613 GDDR5 3GB 500e/150n
New Product Name: Tahiti B0 PROH2 C38613 GDDR5 3GB 500e/150n
Old BIOS Version: 015.025.000.099.000000
New BIOS Version: 015.025.000.099.000000
Flash type: M25P10/c
10000/10000h bytes programmed
10000/10000h bytes verified

Restart System To Complete VBIOS Update.

C:\299-2E~1\ATIFLASH>_
```

Step-16



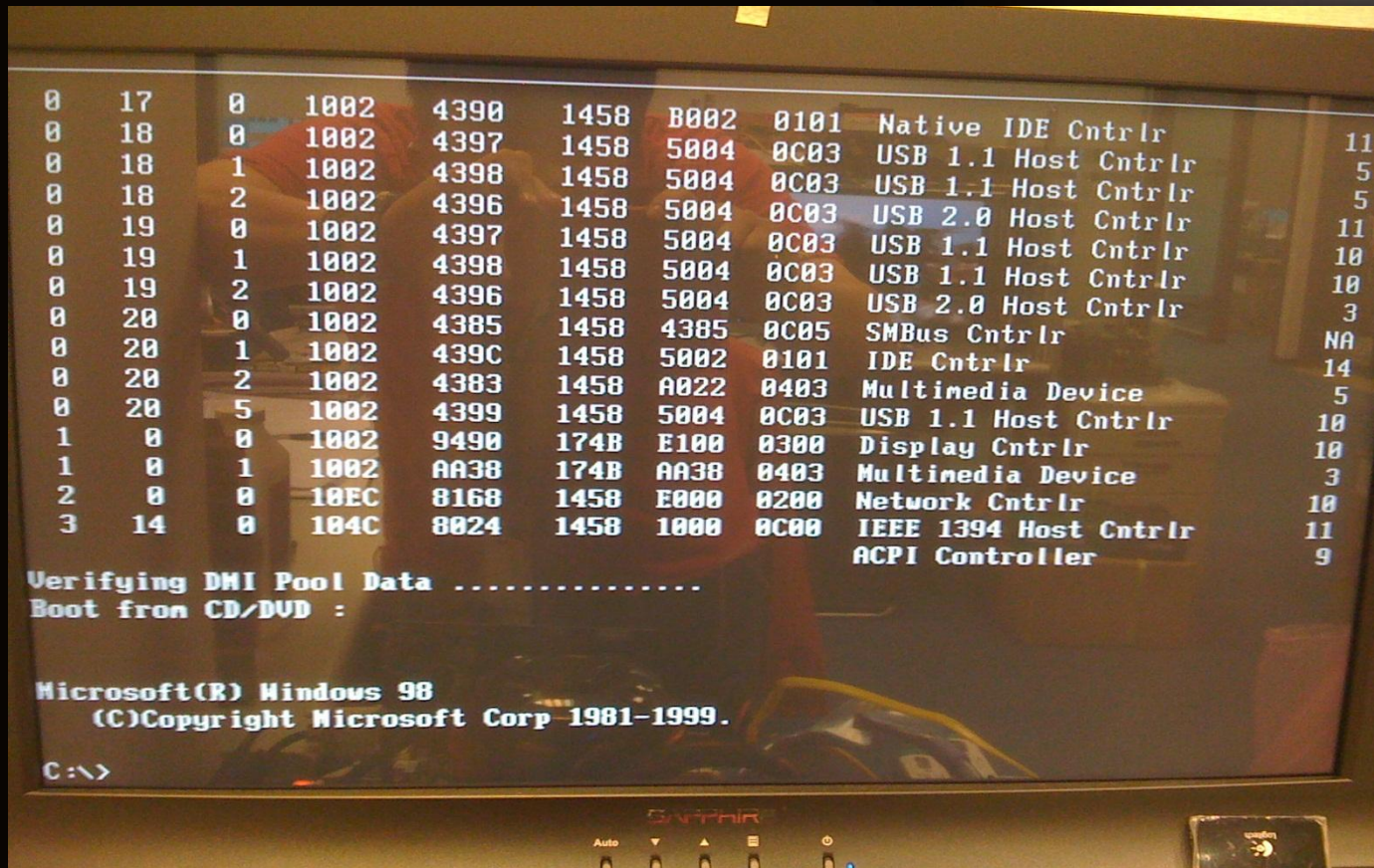
- Press the Dual BIOS switch button before booting up your system.
- See below photo to make sure the board will boot with the VBIOS2.
- The Sapphire logo light would turn on , that means we are in VBIOS2.



Step-17



- Then boot into pure dos mode and you will see this screen shot as follow -



Step-18



- Type “flashb~2” command as follow and it will automatically flash the VBIOS2 for you.
- After flash your Vbios2 , please reboot your system and finish all the steps.

```
C:\299-2E~1\ATIFLASH>
C:\299-2E~1\ATIFLASH>
C:\299-2E~1\ATIFLASH>
C:\299-2E~1\ATIFLASH>flashb~2

C:\299-2E~1\ATIFLASH>atiflash -p 0 21020CH0.V4A -f
Old SSID: 3000
New SSID: 3000
Old P/N: 113-210P2EL-X00
New P/N: 113-210P2HY-V0A
Old DeviceID: 679A
New DeviceID: 679A
Old Product Name: Tahiti B0 PROH2 C38613 GDDR5 3GB 500e/150n
New Product Name: Tahiti B0 PROH2 C38613 GDDR5 3GB 500e/150n
Old BIOS Version: 015.025.000.099.000000
New BIOS Version: 015.025.000.099.000000
Flash type: M25P10/c
10000/10000h bytes programmed
10000/10000h bytes verified

Restart System To Complete VBIOS Update.

C:\299-2E~1\ATIFLASH>_
```