

G0830 AMI BIOS Flash SOP (with USB HUB)

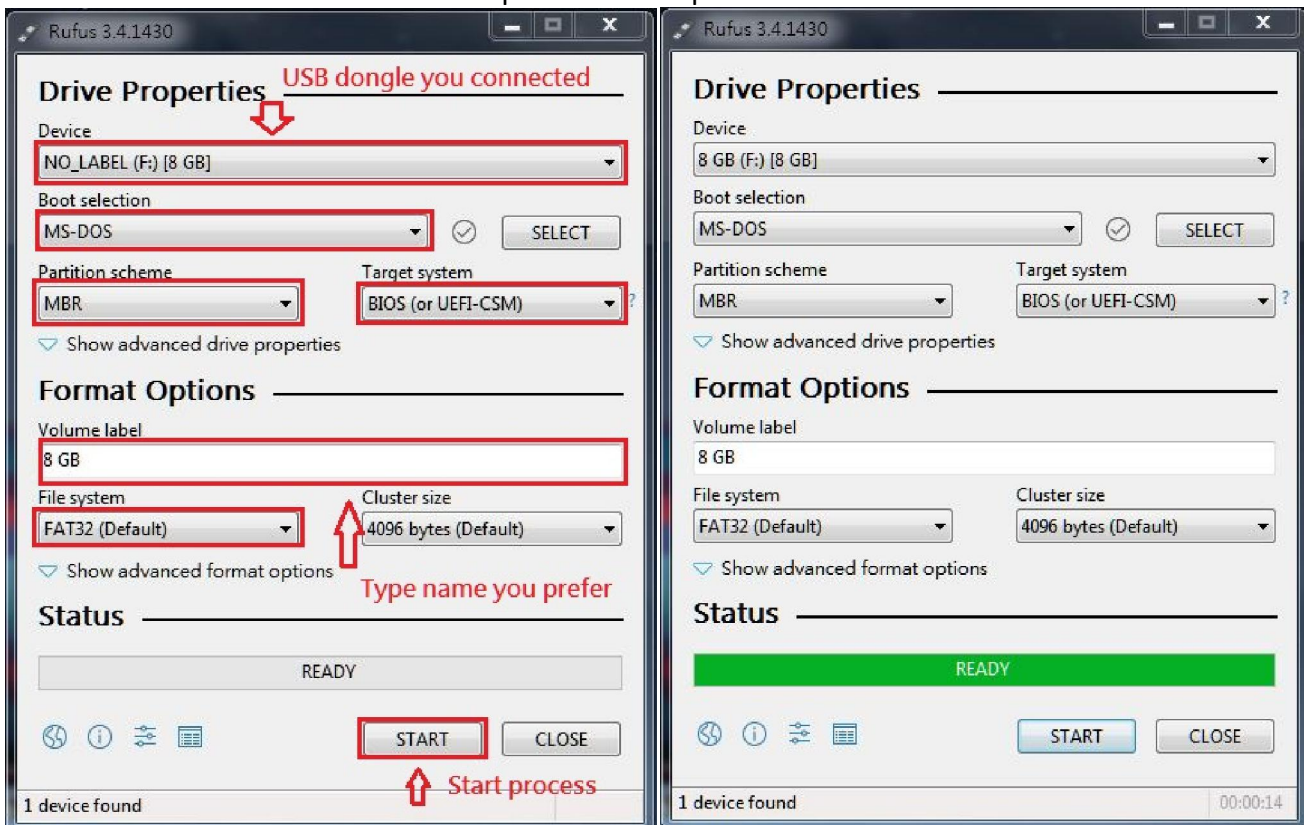
Date	2019/01/31
Release by	Andy Yao
Version	1.0

Preparation :

1. Bootable USB Flash Disk (FAT32).
2. USB HUB **with external power**.
3. OTG Cable (USB to Micor USB).
4. USB Keyboard.
5. Flash tool.
6. BIOS files.

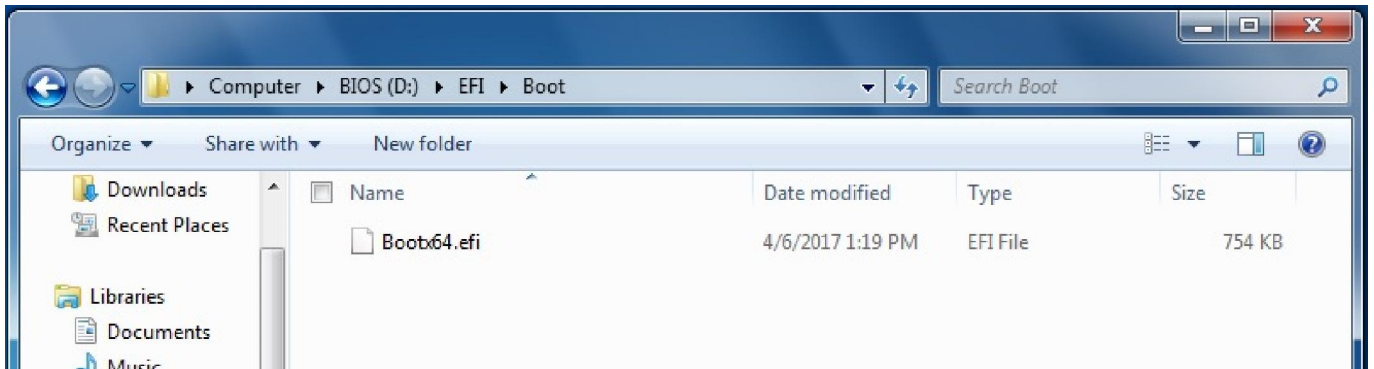
(1) How to create a bootable USB dongle :

1. Run rufus-3.4.exe on your PC and follow instruction to run process.
2. It will show status in READY once process is completed.

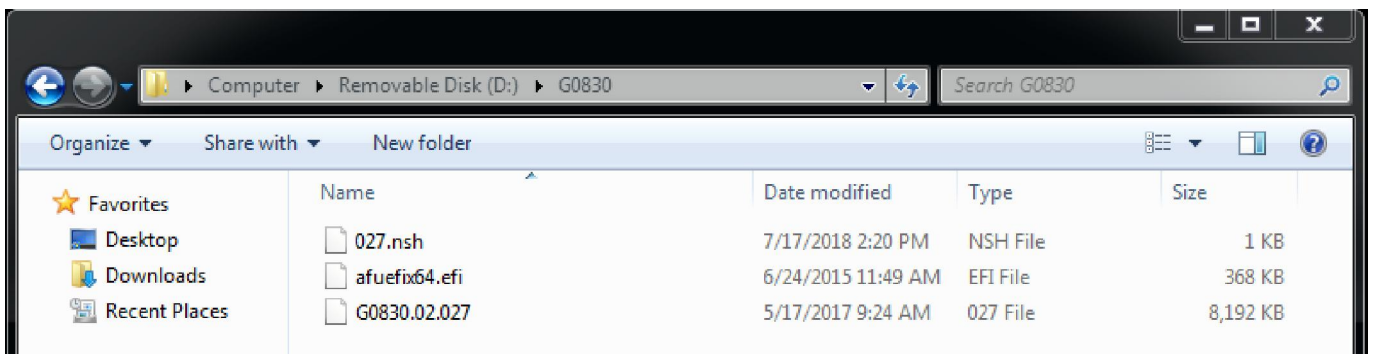


(2) How to flash BIOS :

1. Copy EFI folder into Bootable USB Flash Disk.



2. Copy BIOS Flash tool into Bootable USB Flash Disk.



3. Disable Secure Boot.

- 3.1 Power on G0830 and press **Delete** key get into BIOS menu.
- 3.2 Select **Secure Boot menu** from Security sheet.
- 3.3 Disable Secure Boot then press F10 to save configuration and exit.

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Main Advanced Chipset **Security** Boot Save & Exit

ESC

<p>Password Description</p> <p>If ONLY the Administrator's password is set, then this only limits access to Setup and is only asked for when entering Setup.</p> <p>If ONLY the User's password is set, then this is a power on password and must be entered to boot or enter Setup. In Setup the User will have Administrator rights.</p> <p>The password length must be in the following range:</p> <p>Minimum length 3</p> <p>Maximum length 20</p> <p>Administrator Password</p> <p>User Password</p> <p>▶ Secure Boot menu</p>	<p>Customizable Secure Boot settings</p> <p>** : Select Screen</p> <p>↑/Click: Select Item</p> <p>Enter/Dbl Click: Select</p> <p>+/-: Change Opt.</p> <p>F1: General Help</p> <p>F2: Previous Values</p> <p>F9: Optimized Defaults</p> <p>F10: Save & Exit</p> <p>ESC/Right Click: Exit</p>
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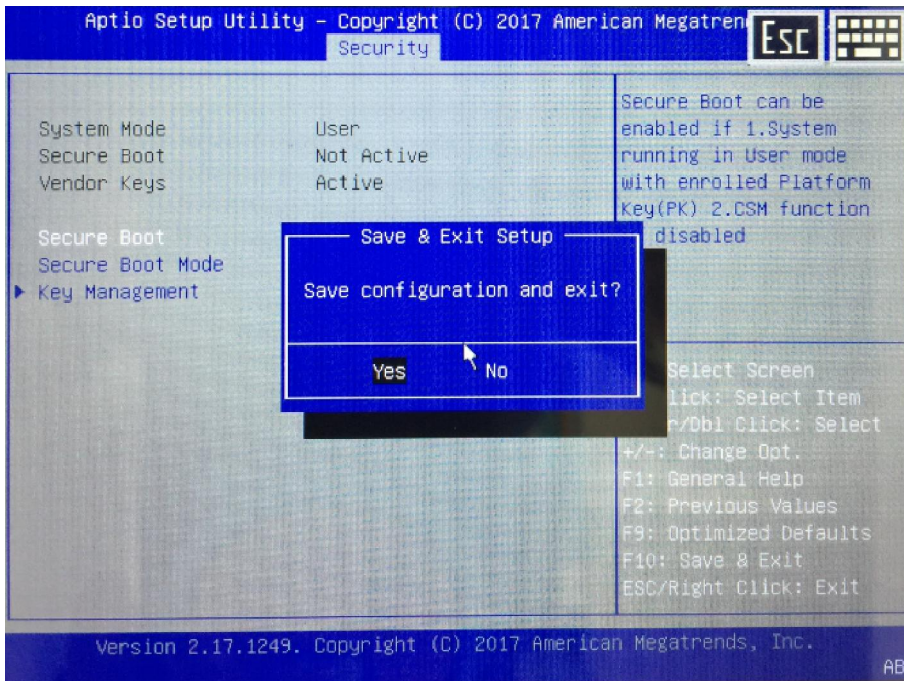
Security

ESC

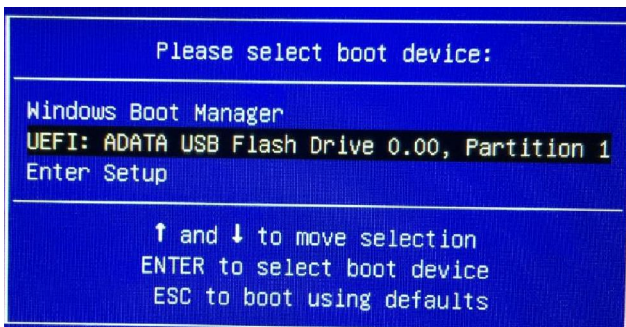
<p>System Mode User</p> <p>Secure Boot Not Active</p> <p>Vendor Keys Active</p> <p>Secure Boot [Disabled]</p> <p>Secure Boot Mode [Custom]</p> <p>▶ Key Management</p>	<p>Secure Boot can be enabled if 1.System running in User mode with enrolled Platform Key(PK) 2.CSM function is disabled</p> <p>** : Select Screen</p> <p>↑/Click: Select Item</p> <p>Enter/Dbl Click: Select</p> <p>+/-: Change Opt.</p> <p>F1: General Help</p> <p>F2: Previous Values</p> <p>F9: Optimized Defaults</p> <p>F10: Save & Exit</p> <p>ESC/Right Click: Exit</p>
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4. Turn on G0830 and press **F11** get into boot menu.
5. Select "**EFI shell**" to boot from USB Flash Disk.



6. Type command at shell as below.
 - 5.1 : **Fs1:**
 - 5.2 : **XXX.nsh(Ex: 027.nsh)**
 - 5.3 : The device will shutdown once flash process is completed.
 - 5.4 : Turn on G0830 by press power button.

```

blk1 :Removable HardDisk - Alias hd15b0a0a0b fs1
      PciRoot(0x0)/Pci(0x14,0x0)/USB(0x1,0x0)/USB(0x0,0x0)/USB(0x0,0x0)/HD(1,
      MBR,0x04B0B543,0x3F,0xEAA7C1)
blk2 :HardDisk - Alias (null)
      PciRoot(0x0)/Pci(0x10,0x0)/Ctrl(0x0)/HD(2,GPT,D88AA422-09EB-49F8-A7B4-5
      A0F5A6E922E,0x32B00,0x8000)
blk3 :HardDisk - Alias (null)
      PciRoot(0x0)/Pci(0x10,0x0)/Ctrl(0x0)/HD(3,GPT,46CDAC13-1C3B-475F-9E7C-F
      BB5ABB25490,0x3A800,0x7347000)
blk4 :HardDisk - Alias (null)
      PciRoot(0x0)/Pci(0x10,0x0)/Ctrl(0x0)/HD(4,GPT,89343457-28C5-4CFD-8443-9
      F36CDFEBB8A,0x7381800,0xFA000)
blk5 :BlockDevice - Alias (null)
      PciRoot(0x0)/Pci(0x10,0x0)/Ctrl(0x0)
blk6 :BlockDevice - Alias (null)
      PciRoot(0x0)/Pci(0x10,0x0)/Ctrl(0x1)
blk7 :BlockDevice - Alias (null)
      PciRoot(0x0)/Pci(0x10,0x0)/Ctrl(0x2)
blk8 :Removable BlockDevice - Alias (null)
      PciRoot(0x0)/Pci(0x14,0x0)/USB(0x1,0x0)/USB(0x0,0x0)/USB(0x0,0x0)
  
```

Press ESC in 1 seconds to skip **startup.nsh**, any other key to continue.

Shell> **fs1:**

fs1:\> _

```

fs1:\BIOS\G0830\SKU2> 027.nsh
027.nsh> afuefix64.efi G0830.02.027 /P /B /N /reboot
  
```

```

+-----+
|           AMI Firmware Update Utility  v5.08.00           |
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+-----+
Reading flash ..... done
- ME Data Size checking . ok
- FFS checksums ..... ok
Erasing Boot Block ..... done
Updating Boot Block ..... done
Verifying Boot Block ..... done
Erasing Main Block ..... done
Updating Main Block ..... done
_Verifying Main Block ..... 0x00193800 (45%)
  
```



Warning :

1. Please don't remove USB dongle or G0830 from USB HUB because the system will not boot anymore.
2. Please reflash BIOS again if process was failed.