

How to flash BIOS from UEFI Bootable USB flash drive



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Revision History

Version	Release Date	Change Description
1.0	10/14/2015	1. First release



1. Required Components

- 1.1. USB flash drive with FAT32 format.
- 1.2. UEFI Shell.efi



efi.7z

Password: acer



2. Make UEFI bootable USB flash drive

- 2.1. Connect the USB flash drive to your computer.
- 2.2. Format USB flash drive with FAT32



2.3. a) Create a new folder "**efi\boot**" on USB flash drive, then copy uefi boot file **bootx64.efi** at sources folder to "**efi\boot**" folder on USB flash drive.



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b) Copy BIOS package files to root folder on USB flash drive.





3. Flash UEFI BIOS SOP for SHELL

- 3.1. Plug in the bootable USB flash drive to USB port, power on the System.
- 3.2. Enter BIOS Setup and disable "Secure Boot" in "Authentication" page.

Main Advanced Po	wer Authentication Security	Boot Options Exit	
System Boot State Secure Boot Mode Sta Secure Boot	User Disabled [Disabled]	Secure Boot flow control. Secure Boot is available only if System runs in User Mode.	
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3.3. In "Boot Options" page, make sure "Launch CSM" option is "Never", and select "1st Boot Device" to USB storage device.

Main Advanced Power Authenticatio	BIOS Setup Utility on Security Boot Options	Exit
Launch CSM Launch PXE OPROM Launch Storage OPROM Launch Video OPROM Boot Filter Boot Filter	(Never) (UEFI) (UEFI) (UEFI) (UEFI)	Specifies the Boot Device Priority sequence
Ist Boot Device 2nd Boot Device 3rd Boot Device 4th Boot Device Hand Disk Drive Priority Doptical Disk Drive Priority	[UEFI: Generic Flash] [UUEVUU [Removable Device] [LAN] [Press Enter] [Press Enter]	
 Removable Device Priority Network Device Priority Boot Menu D2D Recovery Fast Boot Quiet Boot Bootup Num-Lock Halt On 	[Press Enter] [Press Enter] [Enabled] [Disabled] [Disabled] [Disabled] [On] [All Errors]	++: Select Screen 11/Click: Select Item Enter/Dbl Click: Select +/-: Change Opt. F7: Load User-defined Defaults F8: Save as User-defined F9: Optimized Defaults (When Access Level is
Version 2, 17, 124	5 Capur (abt. (C) 2002-2015	Administrator) F10: Save & Exit ESC/Right Click: Exit

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- 3.4. Press [F10] to save and exit Setup then boot to SHELL mode.
- 3.5. To access the USB flash drive containing the binaries, type "**Map** –**r**" and press Enter. The USB flash drive is now mapped as "**fs1**". Note that the numeric value will be determined based on the number of additional storage devices present in the system and may not be "fs1" in some cases.



3.6. Enter BIOS folder and follow your request to execute the corresponding batch file.



- 3.7. After finishing flashing BIOS, please don't execute any programs and reboot (Ctrl + Alt +Del) the system directly.
- 3.8. After system reboot, please press [Del] to enter BIOS Setup.
- 3.9. In "Exit" page, select "Load Default Settings" and press [Enter] key.

BIOS Setup Ut Main: Advanced Power: Authentication Security B	oot options <mark>(Exit.</mark>
Save & Exit Setup Discard Changes and Exit Setup Save Changes Discard Changes Load Default Settings Save as User Default Settings Load User Default Settings	Load Default values for all the setup options.
	<pre>#*: Select Screen T1: Select Item Enter: Select +/-/Space: Change Opt. F7: Load User Default Settings F8: Save as User Default Settings F9: Load Default Settings F10: Save & Exit Setup ESC: Exit</pre>
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3.10. Select "Yes" and press [Enter] key.



3.11. Select "Save & Exit Setup" and press [Enter] key.



3.12. Select "Yes" and press [Enter] key.

Main Advanced Power Authent	BIOS Setup Utility ication Security Boot Option	Exit
Save & Exit Setup Discard Changes and Exit Setup Save Changes Discard Changes Load Default Settings Save as User Default Settings Load User Default Settings	Save & Exit Setup	Exit system setup after savin the changes.
	Yes No	 Select Screen Select Item nter: Select /-/Space: Change Opt. F7: Load User Default Settings F8: Save as User Default Settings F9: Load Default Settings F10: Save & Exit Setup ESC: Exit

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3.13. Flash BIOS is finished.