



# BIOS Update

## BIOS Update From Local UEFI Shell

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## BIOS Update

- Download and unzip the BIOS package to a USB disk.
- Insert the USB disk to the system
- Power on the system and press F11 key to pop up the boot menu



## BIOS Update

- After boot to the UEFI shell, check the file system number of the USB disk.
- Type "FSx:" and enter to change to the file system of the USB dis.

```
FS0: Alias(s):HD1s0b:;BLK2:
      PciRoot(0x0)/Pci(0x14,0x0)/USB(0x12,0x0)/HD(1,MBR,0x00037DDC,0x800,0x1
CD7800)
      FS1: Alias(s):HD2a0c:;BLK6:
      PciRoot(0x1)/Pci(0x2,0x0)/Pci(0x0,0x0)/Scsi(0x0,0x0)/HD(2,GPT,2E098EC4
-BF3F-4BEA-813E-4E06407B5D5B,0xE1800,0x32000)
      BLK1: Alias(s):
      PciRoot(0x0)/Pci(0x14,0x0)/USB(0x12,0x0)
      BLK3: Alias(s):
      PciRoot(0x0)/Pci(0x14,0x0)/USB(0x12,0x0)/Unit(0x1)
      BLK0: Alias(s):
      PciRoot(0x0)/Pci(0x11,0x5)/Sata(0x5,0xFFFF,0x0)
      BLK4: Alias(s):
      PciRoot(0x1)/Pci(0x2,0x0)/Pci(0x0,0x0)/Scsi(0x0,0x0)
      BLK5: Alias(s):
      PciRoot(0x1)/Pci(0x2,0x0)/Pci(0x0,0x0)/Scsi(0x0,0x0)/HD(1,GPT,9511013B
-8B97-4DDB-A4CC-40EFC4CFB5A9,0x800,0xE1000)
      BLK7: Alias(s):
      PciRoot(0x1)/Pci(0x2,0x0)/Pci(0x0,0x0)/Scsi(0x0,0x0)/HD(3,GPT,93692CE8
-EE3F-48EB-941A-FE675940535D,0x113800,0x8000)
      BLK8: Alias(s):
      PciRoot(0x1)/Pci(0x2,0x0)/Pci(0x0,0x0)/Scsi(0x0,0x0)/HD(4,GPT,F7741F17
-AA93-42DF-889C-0B01B78C8F18,0x11B800,0xE8AE4000)
Press ESC in 1 seconds to skip startup.nsh or any other key to continue.
Shell> _
```

## BIOS Update

- Go to the BIOS package folder.
- Run the altos.nsh to start to update BIOS

```
Press ESC in 1 seconds to skip startup.nsh or any other key to continue.
```

```
Shell> fs0:
```

```
FS0:\> cd BIOS-FW\F4\SMC\BIOS\350F4T3.3\
```

```
FS0:\BIOS-FW\F4\SMC\BIOS\350F4T3.3\> dir
```

```
Directory of: FS0:\BIOS-FW\F4\SMC\BIOS\350F4T3.3\
```

```
03/08/2022  17:09 <DIR>          8,192  .
03/08/2022  17:09 <DIR>          8,192  ..
03/30/2019  05:34                521,840  afuefi.smc
03/08/2022  17:10                 33  altos.nsh
03/30/2019  05:34                569,056  fdt.smc
03/30/2019  05:34                 5,537  flash.nsh
08/01/2020  06:24            33,554,432  X11DPiN0.731
```

```
5 File(s)  34,650,898 bytes
```

```
2 Dir(s)
```

```
FS0:\BIOS-FW\F4\SMC\BIOS\350F4T3.3\> altos.nsh_
```

## BIOS Update

- After the BIOS is updated, reboot the system.

```
Updating NVRAM Block ..... done
Verifying NVRAM Block ..... done
Erasing NCB Block ..... done
Updating NCB Block ..... done
Verifying NCB Block ..... done
- FDR is locked, skip updating.
- Update success for DER. -
- GBEA is locked, skip updating.
- PTT is locked, skip updating.
- Successful Update Recovery Loader to OPRx!!
- Successful Update MFSB. -
- Successful Update FTPR!!-
- Successful Update MFS, IVB1 and IVB2!!
- Successful Update FLOG and UTOK!!
- ME Entire Image update success !!
WARNING : System must power-off to have the changes take effect!

Process completed.
Moving FS0:\BIOS-FW\F4\SMC\BIOS\350F4T3.3\fdtx64.efi -> FS0:\BIOS-FW\F4\SMC\BIOS
\350F4T3.3\fdt.smc
- [ok]
Moving FS0:\BIOS-FW\F4\SMC\BIOS\350F4T3.3\afuefix64.efi -> FS0:\BIOS-FW\F4\SMC\B
IOS\350F4T3.3\afuefi.smc
- [ok]
FS0:\BIOS-FW\F4\SMC\BIOS\350F4T3.3\> _
```

## BIOS Update

- Press “Del” key to enter to the BIOS setup, press “F3” key to load the default settings and press “F4” key to save and exit.

```
Save Options
Discard Changes and Exit
Save Changes and Reset

Save Changes
Discard Changes

Default Options
Restore Optimized Defaults
Save as User Defaults
Restore User Defaults

Boot Override
(Bus 18 Dev 00)PCI RAID Adapter
sSATA P5: ATAPI DVD A DH16A
USB#0:Generic STORAGE DEVICE 1532
IBA 40G Slot 6000 v1066
Windows Boot Manager
UEFI: Generic STORAGE DEVICE 1532, Partition 1
UEFI: Built-in EFI Shell
Launch EFI Shell from filesystem device

Exit system setup without
saving any changes.

++: Select Screen
↑↓: Select Item
Enter: Select
+/-: Change Opt.
F1: General Help
F2: Previous Values
F3: Optimized Defaults
F4: Save & Exit
ESC: Exit
```

```
Load Optimized Defaults
Load Optimized Defaults?
Yes No
```



# The Best is Yet To Come



For more information about Altos product and solution  
Please visit Altos website (welcome scan QR code or use URL)  
<https://www.altoscomputing.com/en-US>

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