

BIOS Update SOP

Rev 1.2

Download BIOS and Tool

1. Download BIOS Package
2. Download BIOS update tool from AMI website.

URL: <https://www.ami.com/bios-uefi-utilities/>

Select:

AMI Firmware Update (AFU) -> Aptio V AMI Firmware Update Utility

AMI FIRMWARE UPDATE (AFU)

AMI Firmware Update (AFU) is a scriptable command-line utility for DOS, Microsoft Windows®, Linux, FreeBSD and the UEFI shell. Utilized for factory or field BIOS updates, AFU is flexible enough to update the entire Flash part or only a portion. It programs the main BIOS image, boot block or OEM configurable ROM regions.

[APTIO V AMI FIRMWARE UPDATE UTILITY](#) ●

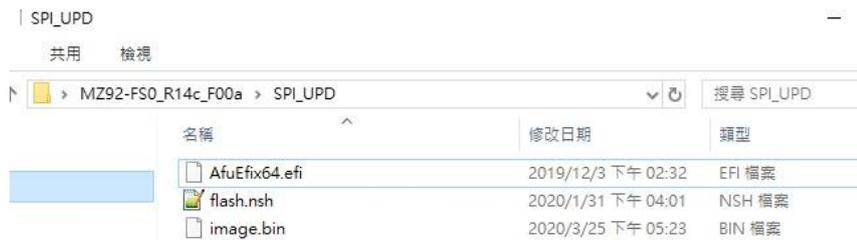
[AMIBIOS8 AMI FIRMWARE UPDATE UTILITY](#) ●

[APTIO 4 AMI FIRMWARE UPDATE UTILITY](#) ●

[APTIO UTILITIES DATA SHEET](#) ●

UEFI Shell Update

1. Copy “AfuEfix64.efi” into **SPI_UPD** folder.



2. Boot to UEFI Shell and into BIOS Package folder
3. Run “F.nsh” to start update BIOS.

```
Shell> fs0:
FS0:\> cd MZ92-FS0_R14c
FS0:\MZ92-FS0_R14c> f.nsh
FS0:\MZ92-FS0_R14c> SPI_UPD\AfuEfix64.efi SPI_UPD\image.bin /p /b /n /k /l /RLC:E
-----
AMI Firmware Update Utility v5.12.03.2074
Copyright (c) 1985-2019, American Megatrends International LLC.
All rights reserved. Subject to AMI licensing agreement.
-----
- System ACAU Support ..... Enabled
- ACAU Version = 100.
Reading flash ..... 0x0012A000 (7%)
```

4. Update BIOS successfully and reboot system.

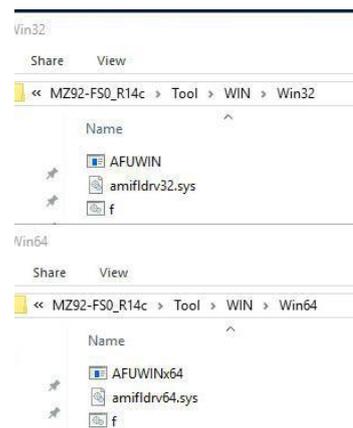
```
AMI Firmware Update Utility v5.12.03.2074
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-----
- System ACAU Support ..... Enabled
- ACAU Version = 100.
Reading flash ..... Done
Check Bin file is multi tank ROM ..... done
Use <<0ACMK014>> ROM to Flash.
- System Secure Flash ..... Enabled
- FFS Checksums ..... Pass
- Check RomLayout ..... Pass
Loading File To Verify Memory ..... Done
Erasing Boot Block ..... Done
Updating Boot Block ..... Done
Verifying Boot Block ..... Done
Erasing Main Block ..... Done
Updating Main Block ..... Done
Verifying Main Block ..... Done
Erasing NVRAM Block ..... Done
Updating NVRAM Block ..... Done
Verifying NVRAM Block ..... Done
Erasing NCB Block ..... Done
Updating NCB Block ..... Done
Verifying NCB Block ..... Done
Erasing RomHole Block ..... Done
Updating RomHole Block ..... Done
Verifying RomHole Block ..... Done

Process completed.
FS0:\MZ92-FS0_R14c>
```

Windows Update

1. Copy below file to BIOS Package

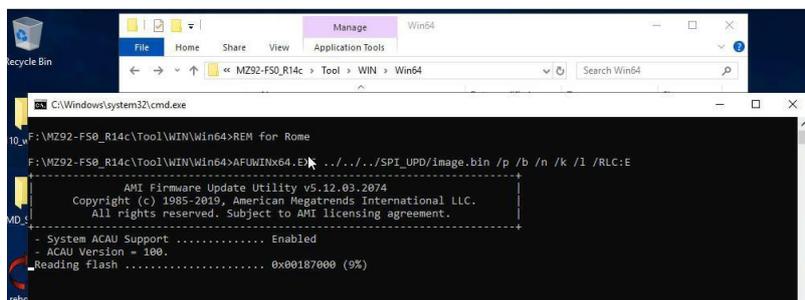
Folder	File
Tool\WIN\Win32	AFUWIN.EXE amifldr32.sys
Tool\WIN\Win64	AFUWINx64.EXE amifldr64.sys



2. Boot to Windows and into BIOS Package folder

3. Run “F.bat” to start update BIOS.

P.S. Your keyboard and mouse can't use when updating BIOS



4. Update BIOS successfully when windows is closed.