

GIGABYTE™

BIOS Update SOP

User Guide

Rev. 1.4

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Conventions

The following conventions are used in this user's guide:

	NOTE: Gives bits and pieces of additional information related to the current topic.
	CAUTION: Gives precautionary measures to avoid possible hardware or software problems.
	WARNING: Alerts you to any damage that might result from doing or not doing specific actions.

Revision History

Version	Page	Item Changed
1.4	3	Initial Release

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Chapter 1 BIOS Update SOP

1-1 Download BIOS and Update Tool

1. Download the BIOS package.
2. Download the BIOS update tool from the AMI website:
<https://www.ami.com/resource-type/support-docs/>
3. Select: Support Docs → Aptio V Firmware Update Utility

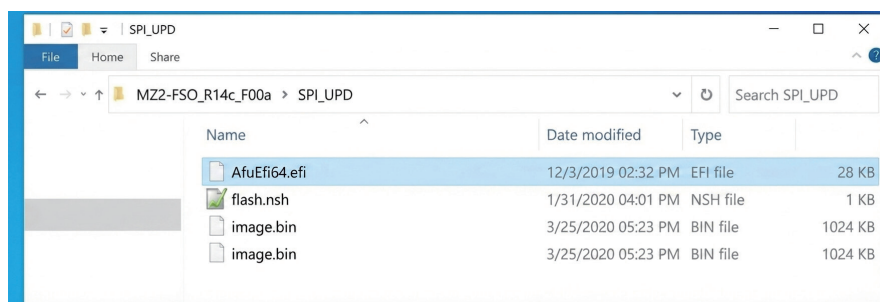


NOTE:

- On some platforms with RoT, the BIOS cannot be updated via AFU.
- Unsupported Platform: Intel Birch Stream

1-2 Updating from the UEFI Shell

1. Copy "AfuEfix64.efi" into the SPI_UPD folder.



2. Boot to the UEFI Shell and go to the BIOS package folder.

3. Run "F.nsh" to start the BIOS update.

```
Shell> fs0:
FS0:\> cd MZ292-FS0_R14c
FS0:\MZ292-FS0_R14c> f.nsh
FS0:\MZ292-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
- ACM Version = 100.
Reading flash ..... 0x0012A000 (7%)
```

4. After the update completes successfully, reboot the system.

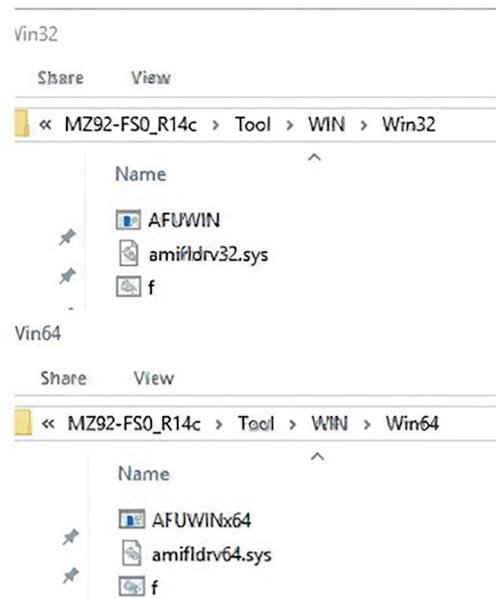
```
|          AMI Firmware Update Utility v5.12.03.2074          |
| Copyright (c) 1985-2019, American Megatrends International LLC. |
| All rights reserved. Subject to AMI licensing agreement.      |
+-----+
- System ACAU Support ..... Enabled
- ACAU Version = 100.
Reading flash ..... Done
Check Bin file is multi tank ROM ..... done
Use <<QACMK014>> 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:\MZ292-FS0_R14c\> _
```

1-3 Updating from Windows

1. Copy the following files into the BIOS package folder:

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

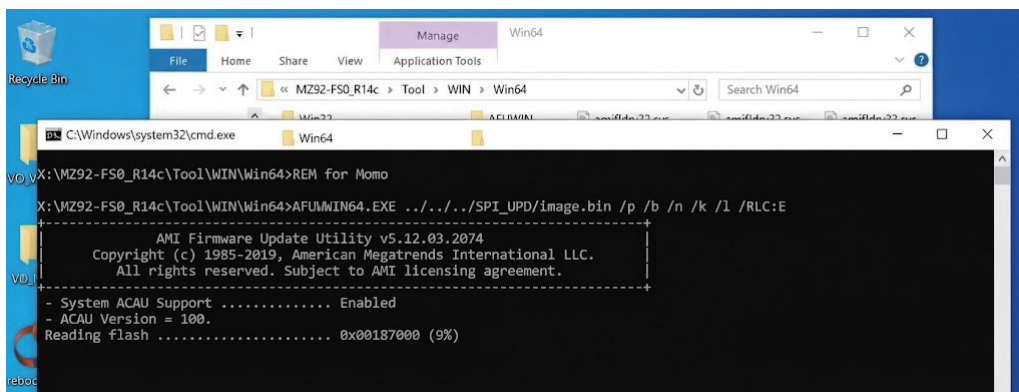


2. Boot to Windows and go to the BIOS package folder.
3. Run "F.bat" to start the BIOS update.



NOTE:

The keyboard and mouse will not respond while the BIOS is being updated.



4. The BIOS update is complete when the command window closes.