

AXIS S2108

BIOS Update Guide

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1. BIOS Release Notes

Version	Release Date	Changes & Improvements
Z218-004	2026-06-30	<ul style="list-style-type: none">Added the Microsoft Windows UEFI CA 2023 Secure Boot certificate to the firmware trust database, ensuring continued compatibility with Microsoft's updated Secure Boot trust chain.

2. How to Update the BIOS

⚠ IMPORTANT

Follow all steps carefully.

Do not power off or use the system during the BIOS update.

The update process may take several minutes and may include multiple restarts.

This guide assumes you are performing all steps on the S2108 itself. If preparing files on a separate PC, copy the extracted files to your AXIS S2108 before Step 4.

Prerequisites

- Windows administrator access
- Internet connection
- Correct BIOS .bin file for AXIS S2108

Step 1: Download the AFU Utility

1. Go to: <https://www.ami.com/resource-type/support-docs/>
2. Download 'Aptio V Firmware Update Utility'
3. Extract the downloaded .zip file

Step 2: Extract the Windows 64-bit Tool

4. Navigate to: ...\\Aptio_V_AMI_Firmware_Update_Utility\\afu\\afuwin\\64
5. Extract 'AfuWin64.zip' to a convenient location (e.g., your Desktop)

Step 3: Download the BIOS File

6. Go to axis.com
7. Download the correct BIOS .bin file for AXIS S2108
8. Place the .bin file in the same folder as the extracted AFU files

Step 4: Enable ME Firmware Re-Flash (Conditional)

i NOTE

This step is only required if the Management Engine (ME) firmware also needs to be updated alongside the BIOS.

Updating ME is **MANDATORY** when upgrading from **Z218-003 to Z218-004 or newer**.

For BIOS-only updates, skip directly to Step 5.

If the above condition applies, complete the following sub-steps before proceeding:

- Reboot the system
- When the AXIS splash screen is displayed, repeatedly press the **Del** key to enter the BIOS
- Navigate to:
Advanced > PCH-FW Configuration > Firmware Update Configuration > ME FW Image Re-Flash

Set the option to *Enabled*

- Navigate to *Save & Exit > Save Changes and Reset*
- Allow the system to reboot, then open a Command Prompt as administrator (Step 5)

Step 5: Open Command Prompt as Administrator

9. Click Start
10. Type 'cmd'
11. Right-click Command Prompt and select 'Run as administrator'

Step 6: Navigate to the AFU Folder

Use the 'cd' command to navigate to the folder containing AFUWINx64.exe.

Example: cd C:\Users\\Desktop\AfuWin64

Step 7: Run the BIOS & ME Update

Run the following command to update the BIOS only (where lowercase 'x' represents the file):
AFUWINx64.exe Zxxx-xxx.bin /P /B /N /K /R /X

Run the following command to update the BIOS & ME (where lowercase 'x' represents the file):
AFUWINx64.exe Zxxx-xxx.bin /P /B /N /K /R /X /ME

Do not interrupt the system during this process. The tool will display "Process Completed" when done.

i NOTE

If the message "WARNING!! The ROM file information does not match the system BIOS!" appears, don't be alarmed; press "F" to proceed.

Step 8: Reboot the System

12. Reboot the system when the update completes

The AXIS splash screen may take up to a minute to appear.

Multiple restarts are normal during this phase.

Step 9: Restore BIOS Defaults

13. When the AXIS splash screen appears, repeatedly press the **Del** key to enter the BIOS

⚠ IMPORTANT

If the BIOS is updated from Z218-002 or earlier to a later version, **Windows will blue screen if the "Del" keypress to enter the BIOS is missed.** If this happens, reboot and proceed from step 9.

1. Navigate to *Save & Exit > Restore Defaults*
2. Select *Save Changes and Reset*

Step 10: Restore Secure Boot Factory Keys (Conditional)

i NOTE

This step is only required when updating from **Z218-003 or earlier to Z218-004 or newer**. It needs to be performed **ONCE** only and is **not** required when updating between Z218-004 and newer versions.
If this does not apply to your update, skip to the “Update Complete” notice below.

If the above condition applies, complete the following sub-steps:

- If the system has already booted into Windows, reboot it again
- When the AXIS splash screen appears, repeatedly press the **Del** key to enter the BIOS
- Navigate to:
Security > Secure Boot > Secure Boot Mode

Set the option to *Custom*

- Select *Restore Factory Keys* and confirm by selecting *Yes* on the pop-up
- A second pop-up will appear, *Reset Without Saving*, select *Yes* here also
- The system will restart (allow it to boot normally into Windows)

✓ UPDATE COMPLETE

The BIOS update is now complete, and the system will boot normally.
If Step 10 was required, Secure Boot is now correctly configured for this BIOS version.