How to Update the BIOS on AXIS S22xx Mk II

Introduction

This BIOS update adds a new power behaviour option called “Last State” in the BIOS Power Management section.

With this option enabled, the system will automatically return to its previous power state after a power loss, in addition to the existing options:
- Power On
- Power Off

Updating the BIOS is required to make this new setting available.

Important Notes

- Follow all steps carefully.
- Do not power off or use the system during the BIOS update.
- The update process may take several minutes and include multiple restarts.
- This guide assumes you are following the steps from the S22xx itself. If you are preparing the files on another PC, after step 3, you will need to copy the files to your AXIS S22xx.

Prerequisites

- Windows administrator access
- Internet connection
- Correct BIOS .bin file for AXIS S22xx Mk II

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

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

Step 3: Download the BIOS File

1. Go to axis.com.
2. Download the correct BIOS .bin file for AXIS S22xx Mk II.
3. Place the .bin file in the same folder as the extracted AFU files.

Step 4: Open Command Prompt as Administrator

1. Click Start.
2. Type 'cmd'.
3. Right-click Command Prompt and select 'Run as administrator'.

Step 5: Navigate to the AFU Folder

Use the cd command to navigate to the folder containing AFUWINx64.exe.
Example:
cd C:\Users\<YourName>\Desktop\AfuWin64

Step 6: Run the BIOS Update

Run the following command to update BIOS only:

AFUWINx64.exe BG_ZXXX-XXX.bin /biosall /X

Do not interrupt the system during this process. It will state “Process Completed” when done.

Step 7: Reboot the System

1. Reboot the system when the update completes.
2. The AXIS splash screen may take up to a minute to appear.
3. Multiple restarts are normal.

Step 8: Reboot Once More in Windows

After Windows has fully loaded, perform one additional reboot.

Step 9: Restore BIOS Defaults

1. When the AXIS splash screen appears, repeatedly press 'Del' to enter BIOS.
2. Navigate to Save & Exit -> Restore Defaults.
3. Select Save Changes and Reset.

Completed

The BIOS update is now complete and the system will boot normally. You can now find the new 'Last State' option under the Power Management section in BIOS.