



BIOSUpdater - Asus

Document Control

Version	Note	Date	Author
1.0	Original version.	20/08/2025	PW
2.0	Amended supported products	19/11/2025	PW

Overview

This document is provided alongside the 'Asus - BIOSUpdater' package which allows users and IT administrators to update the BIOS of supported products to versions which include the 2023 Secure Boot certificates.

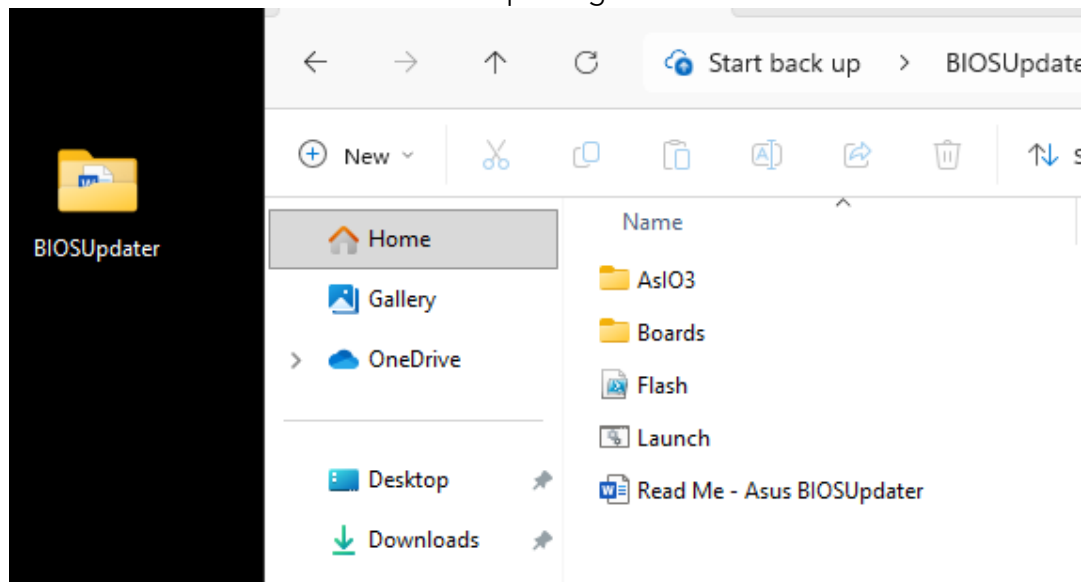
Functions:

- Detect the motherboard model via SMBIOS query.
- Check for corresponding motherboard directory in 'BIOSUpdater\Boards'.
- Read minversion.txt to obtain minimum BIOS version.
- Read BIOS version from SMBIOS, compare to minversion.txt, to determine if update is needed.
- If updated is needed, select .CAP file from the corresponding motherboard directory.
- Check and suspend BitLocker if enabled.
- Install the ASUS IO driver (required by flash tool).
- Run the Asus flash tool with the correct arguments and BIOS file.
- Log to console output and .CSV file.
- Log files stored in 'BIOSUpdater\Logs' directory.



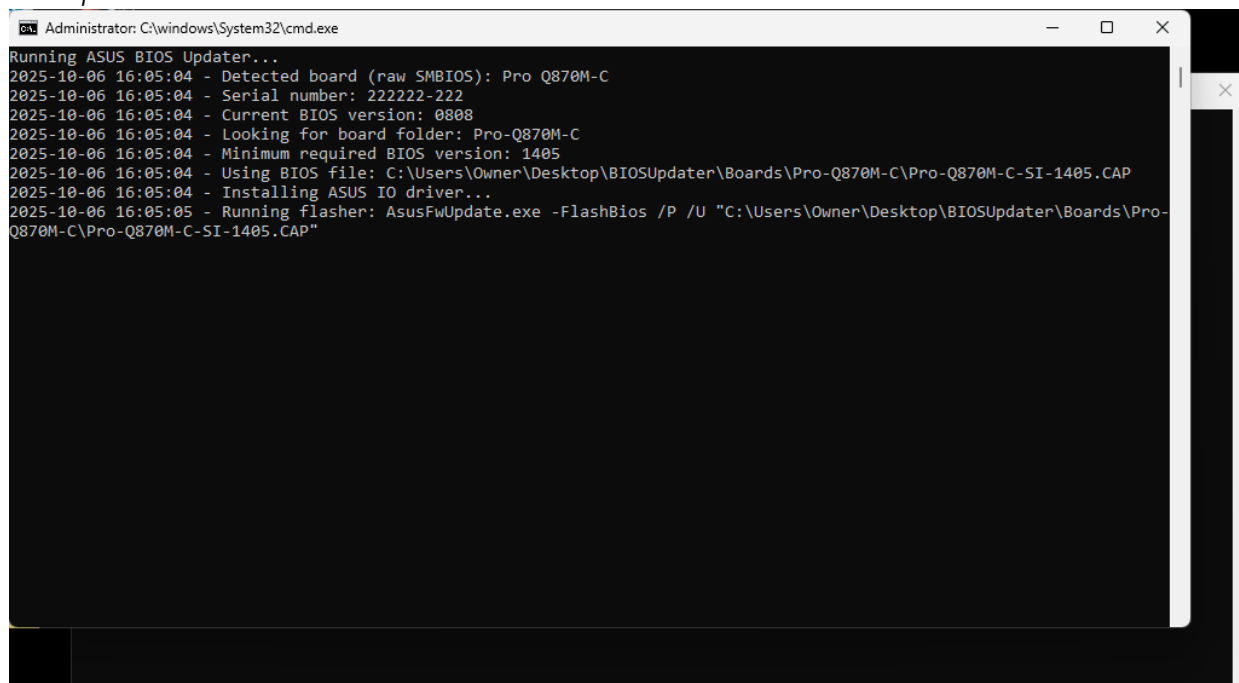
Steps

1. Extract the all the files from the zip archive to the same directory.
2. Run 'Launch.cmd' with Administrator privileges.



3. Observe the output on screen.

Example





```
Administrator: C:\windows\System32\cmd.exe
Running ASUS BIOS Updater...
2025-10-06 16:05:04 - Detected board (raw SMBIOS): Pro Q870M-C
2025-10-06 16:05:04 - Serial number: 222222-222
2025-10-06 16:05:04 - Current BIOS version: 0808
2025-10-06 16:05:04 - Looking for board folder: Pro-Q870M-C
2025-10-06 16:05:04 - Minimum required BIOS version: 1405
2025-10-06 16:05:04 - Using BIOS file: C:\Users\Owner\Desktop\BIOSUpdater\Boards\Pro-Q870M-C\Pro-Q870M-C-SI-1405.CAP
2025-10-06 16:05:04 - Installing ASUS IO driver...
2025-10-06 16:05:05 - Running flasher: AsusFwUpdate.exe -FlashBios /P /U "C:\Users\Owner\Desktop\BIOSUpdater\Boards\Pro-Q870M-C\Pro-Q870M-C-SI-1405.CAP"
2025-10-06 16:07:25 - BIOS update completed successfully
BIOS update completed successfully. Please reboot.

Script finished with exit code 0
Press any key to continue . . .
```

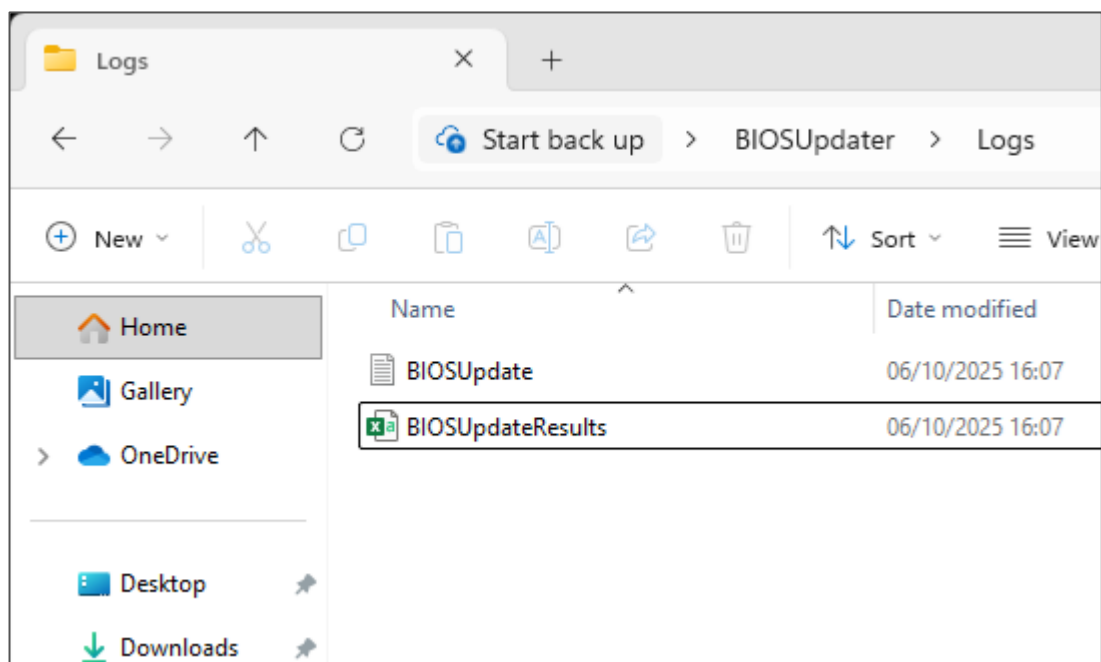
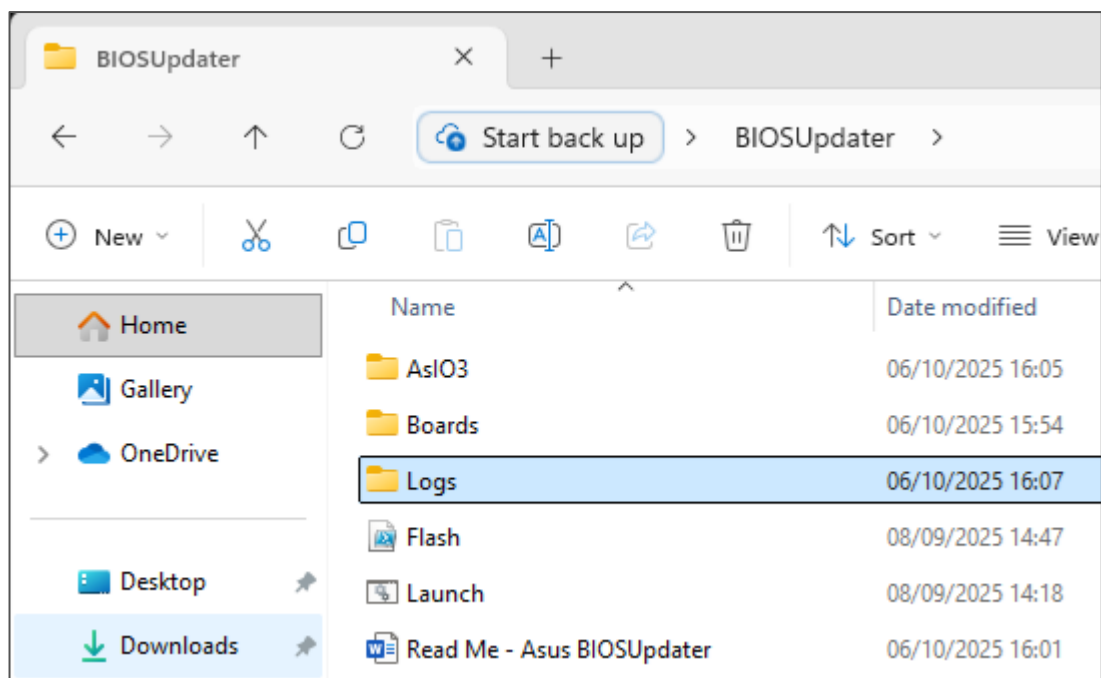
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BIOS update completed successfully. Please reboot.

Script finished with exit code 0
Press any key to continue . . .
```

- Exit codes:
- 0 = Success
- 10 = Board not supported
- 11 = No BIOS file found
- 12 = BIOS version already up-to-date (skipped)
- 20 = Missing or unreadable minversion.txt
- 30 = Failed to install ASUS IO driver
- 40+ = Flasher tool error



4. Check the 'BIOSUpdateResults.csv' log file which is created in 'BIOSUpdater\Logs' directory.



Supported Products

Desktop PC

Internal code	Motherboard Model	Minimum BIOS Version
BOAMOT-492	Prime H310M-A	3204
BOAMOT-493	Prime B360M-A	3204
BOAMOT-494	Prime Q370M-C	3204
BOAMOT-499	Prime H310M-R R2.0	2210
BOAMOT-500	Prime A320M-R	6241
BOAMOT-503	Prime H410M-A	1802
BOAMOT-506	Prime A520M-A	9008
BOAMOT-507	Prime H510M-A	2404
BOAMOT-508	Pro Q570M-C	9047
BOAMOT-512	Pro Q670M-C	3801
BOAMOT-520 (BOAMOT-519)	Prime A520M-A II	9016
BOAMOT-521	Prime A620M-A	3278
BOAMOT-524 (BOAMOT-511)	Prime H610M-A D4	3801
BOAMOT-526	Prime H610M-A	3801

AIO / Mini PC

Internal code	Motherboard Model	Minimum BIOS Version
BOAMOT-495	Prime H310T	3204
BOAMOT-501	Prime H310T R2.0	2210
BOAMOT-505	Pro H410T	1801
BOAMOT-513	Pro H610T D4	3801
BOAMOT-527	Pro H610T	3802

Workstation

Internal code	Motherboard Model	Minimum BIOS Version
ISMOT-247	Prime Z690-A	4301
ISMOT-272	Prime B760M-A D4	1820
ISMOT-273	Prime Z790-P-CSM	1820
ISMOT-274	Prime B650M-A II	3278
ISMOT-307	Prime B760M-A D5	1820
ISMOT-313	B850M MAX GAMING WIFI	1078

Note: The supported product tables are reviewed and updated and new support becomes available.

