

## BOAMOT-483 / BOAMOT-490 - Stone / Asus H110T - Latest Stone Production BIOS

**Security Advisory:** In May 2017, Intel released details regarding a [critical security issue](#) present in some Intel business chipsets.

The product referenced on this page is not expected to be impacted by this security issue.

(For more details regarding the security issue present in some versions of Intel Active Management Technology (AMT), Intel Standard Manageability (ISM) and Intel Small Business Technology, see [here](#)).

### BIOS Files Available

This [link](#) contains the latest Stone release BIOS for this motherboard (v.9037)

**Please Note:** We always recommend that you use the official Stone BIOS for your systems, rather than motherboard manufacturer generic BIOSes. This ensures that any customisations are preserved. The new Skylake range of systems include an "online" BIOS update feature however this will not deliver the latest official Stone BIOS.

- Previous BIOS file - this [link](#) contains the previous Stone release BIOS for this motherboard (v.3402)
- Previous BIOS file - this [link](#) contains the previous Stone release BIOS for this motherboard (v.3019R2)
  - (3019 introduces support for the Kaby Lake series of CPUs).
- Previous BIOS file - this [link](#) contains the previous Stone release BIOS for this motherboard (v.2002).
- Previous BIOS file - this [link](#) contains the previous Stone release BIOS for this motherboard (v.1802).

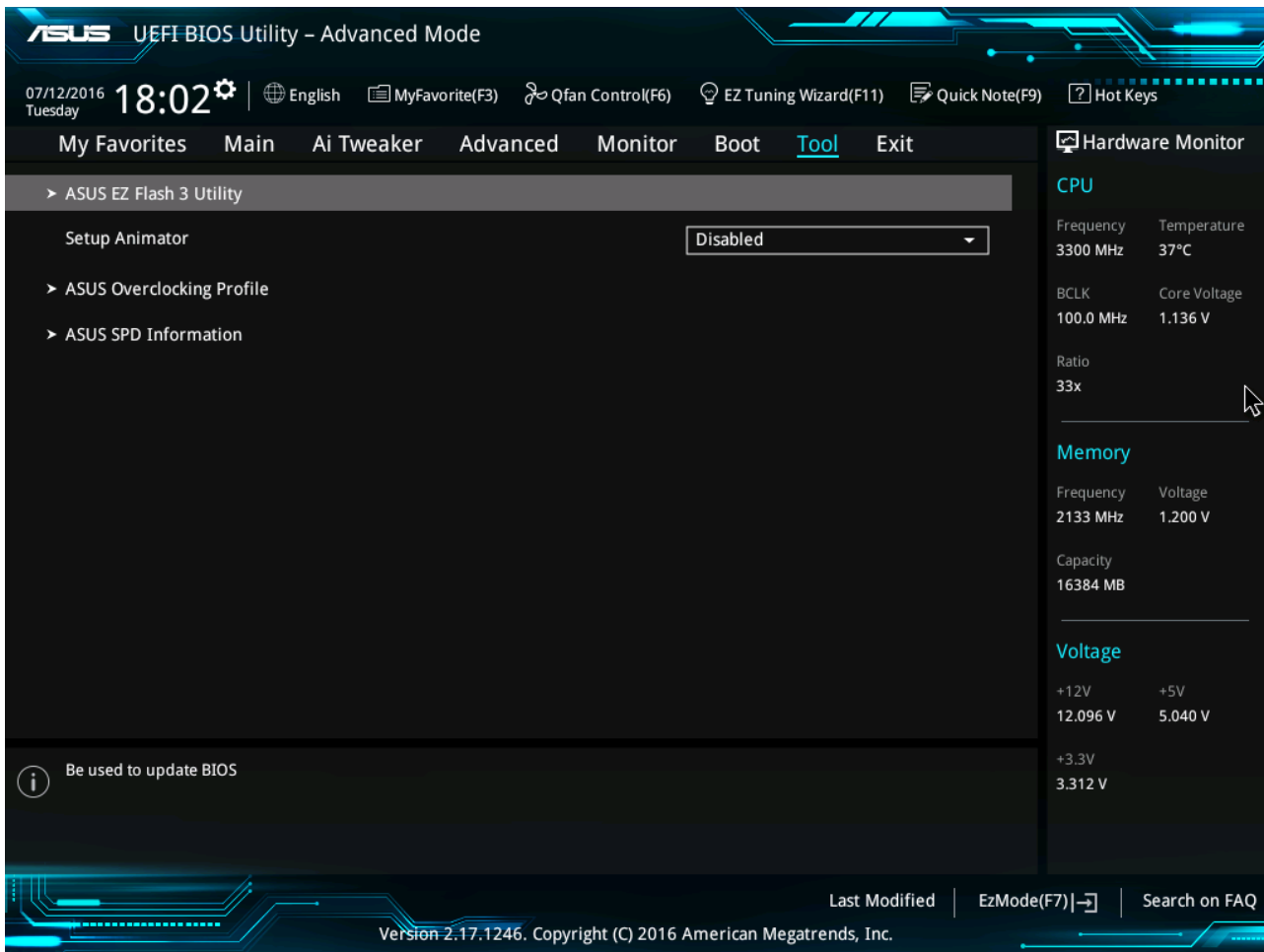
### How to Flash the BIOS

**Important Note:** The most recent BIOS updates have included a Management engine update. You may need to complete the flash process twice to complete the update fully. The BIOS will prompt you if this required.

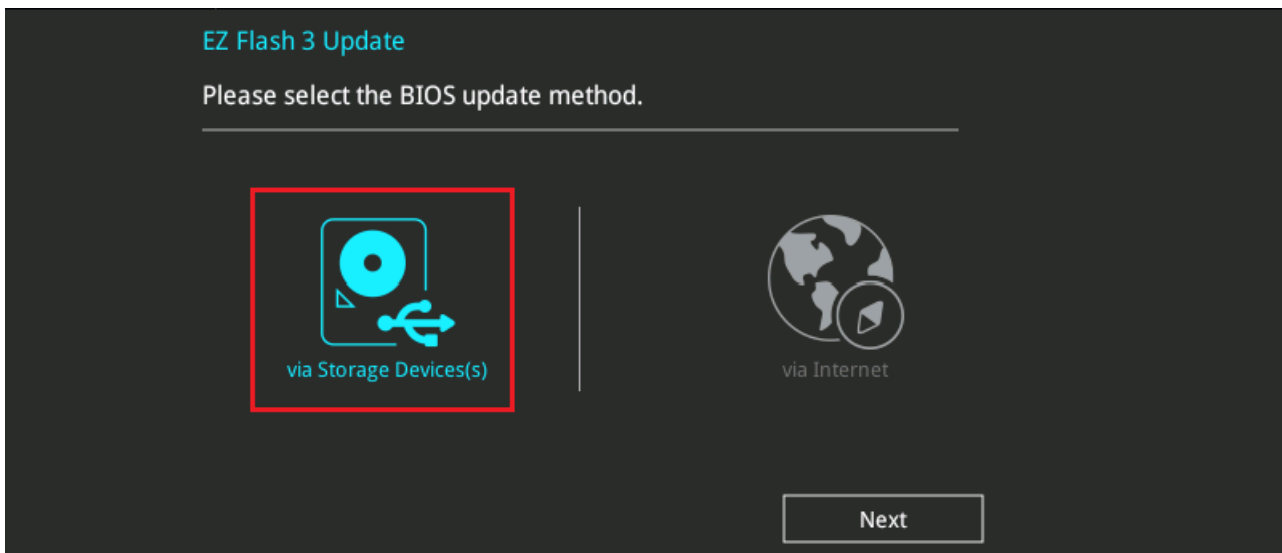
- Download the BIOS flash file above and extract it to a FAT32 formatted USB pen drive.
- Make sure the problem system is powered off.
- Plug in the pen drive.
- Turn the system on and tap the F2 key to go into the BIOS.
- Press F7 to go into the Advanced Mode.

The screenshot shows the ASUS UEFI BIOS Utility in EZ Mode. At the top, it displays the date and time (07/12/2016 18:00), language (English), and EZ Tuning Wizard (F11). The main area is divided into several sections: Information (Q170M-C BIOS Ver. 0801, Intel(R) Core(TM) i5-6600 CPU @ 3.30GHz, Speed: 3300 MHz, Memory: 16384 MB (DDR4 2133MHz)), CPU Temperature (36°C), CPU Core Voltage (1.136V), Motherboard Temperature (31°C), EZ System Tuning (Normal), DRAM Status (DIMM\_A1: Corsair 8192MB 2133MHz, DIMM\_A2: N/A, DIMM\_B1: Corsair 8192MB 2133MHz, DIMM\_B2: N/A), X.M.P. (Disabled), Intel Rapid Storage Technology (On), FAN Profile (CPU FAN 1204 RPM, CHA1 FAN 944 RPM, CHA2 FAN 275 RPM), and SATA Information (SATA6G\_1: WDC WD5000HHTZ-04N21V0 (500.1GB), SATA6G\_2: WDC WD1000DHTZ-04N21V0 (1000.2GB), SATA6G\_3: N/A, SATA6G\_4: Optiarc DVD RW AD-7260S ATAPI, SATA6G\_5: N/A, SATA6G\_6: N/A). The bottom of the screen shows navigation options: Default(F5), Save & Exit(F10), Advanced Mode(F7) | →, and Search on FAQ.

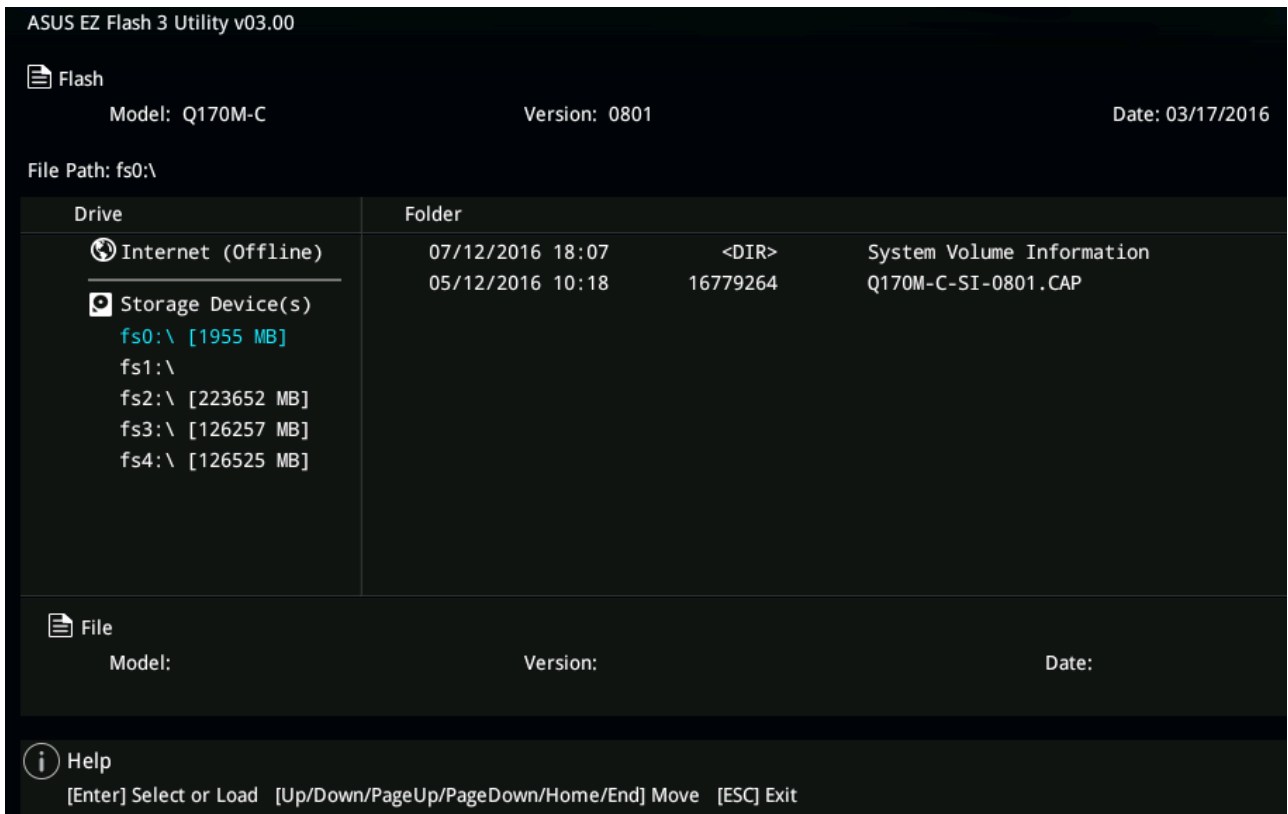
- Go to the Tool Menu and then Select ASUS EZ Flash 3 Utility.



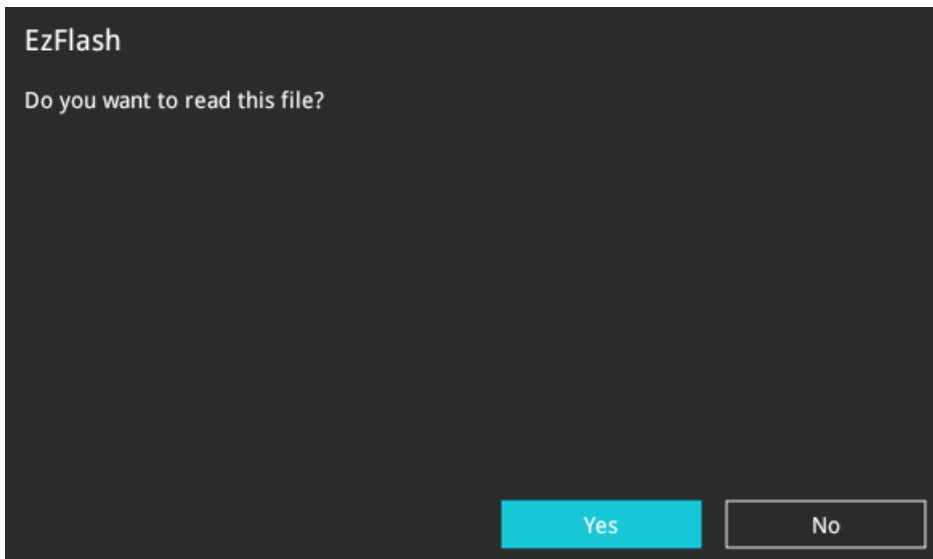
- Select to perform the update via "Storage Devices" and then double click Next. Whilst an online update is possible, you will not receive the Stone customised BIOS. We recommend you use the Stone customised BIOS, delivered via a USB pen drive.



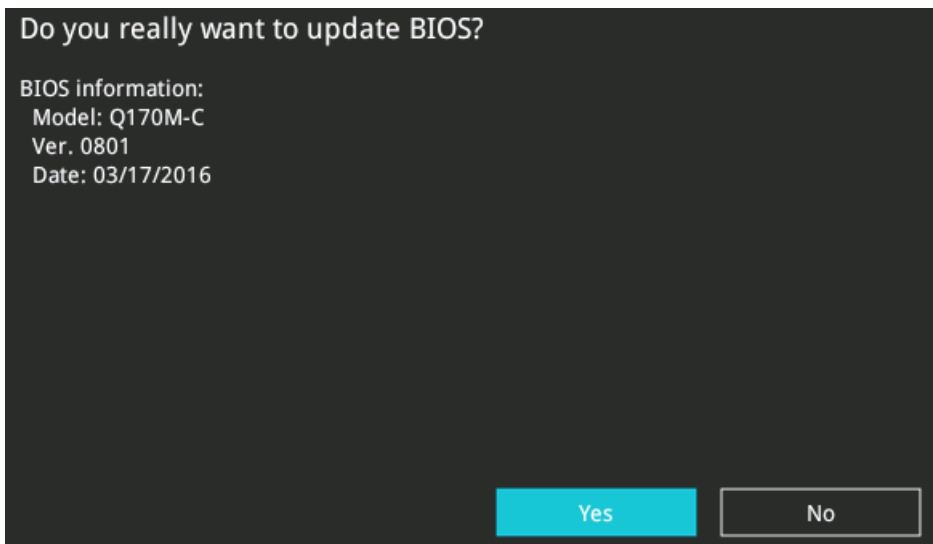
- Now you need to locate the pen drive containing the .CAP BIOS file. The pen drive is usually FS0: if you plugged the pen drive in before turning the system on.



- Once you have located the BIOS .CAP file, simply click on it. You will be prompted for confirmation.



- Then accept the final confirmation.

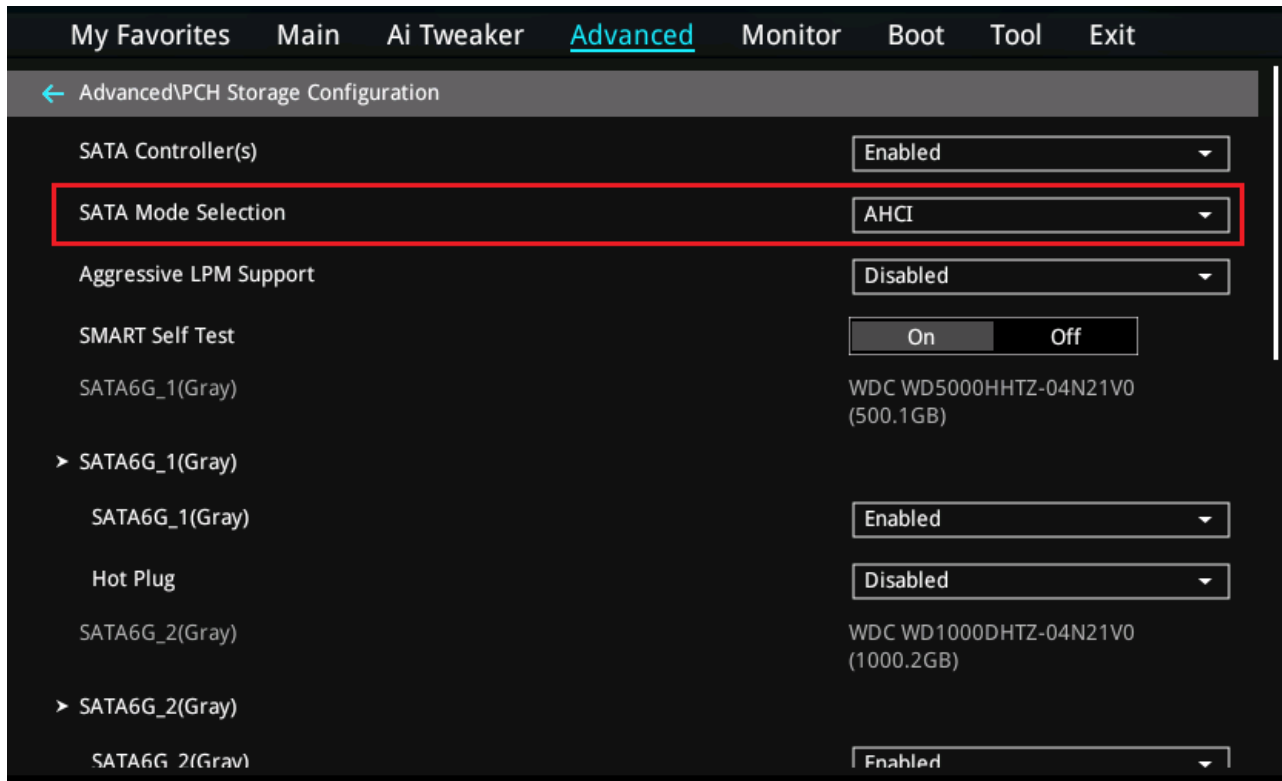


- Follow any further on screen instructions.

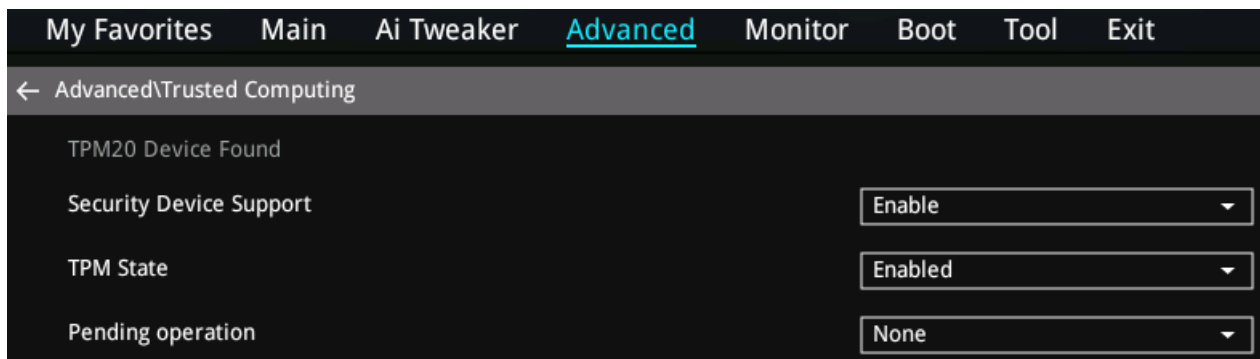
## BIOS Settings to Note Before Flashing the BIOS

You may wish to note the BIOS settings below and check that they are still set correctly after completing the update procedure.

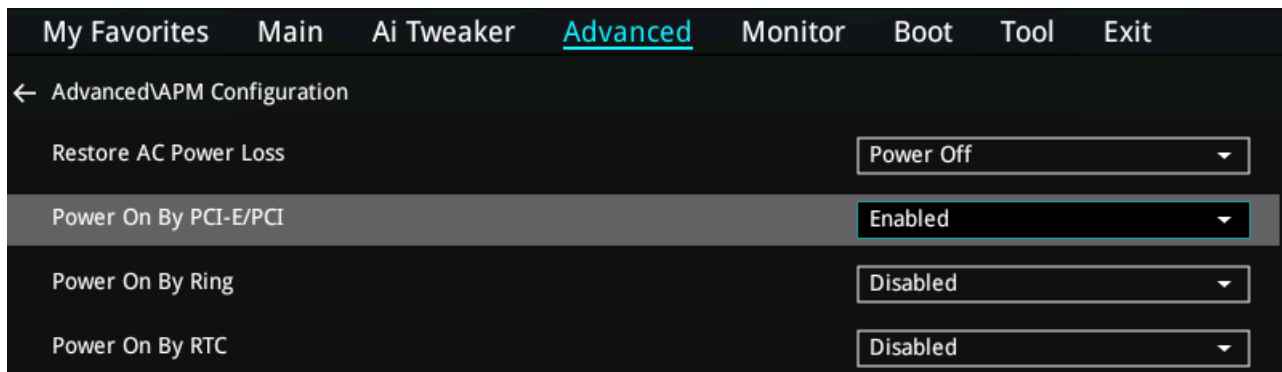
- Advanced > PCH Storage Configuration > SATA Mode Selection.



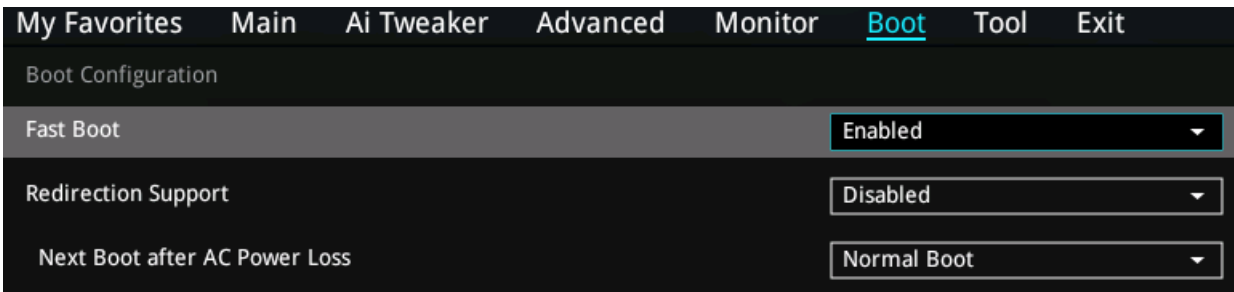
- Advanced > Trusted Computing (where available).



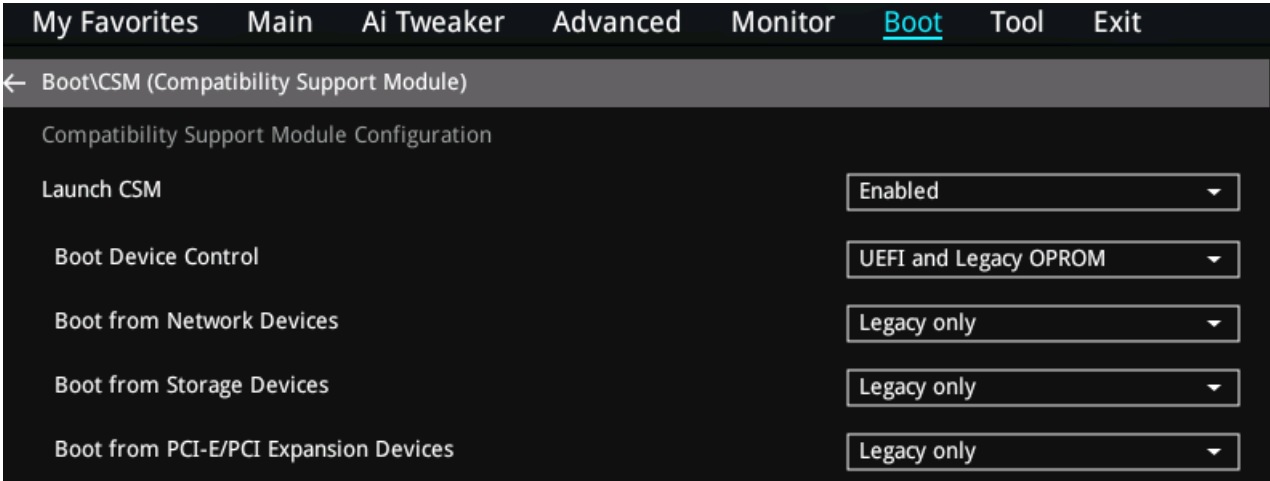
- Advanced > APM Configuration > Power On by PCI-E/PCI (needed for Wake on LAN to work).



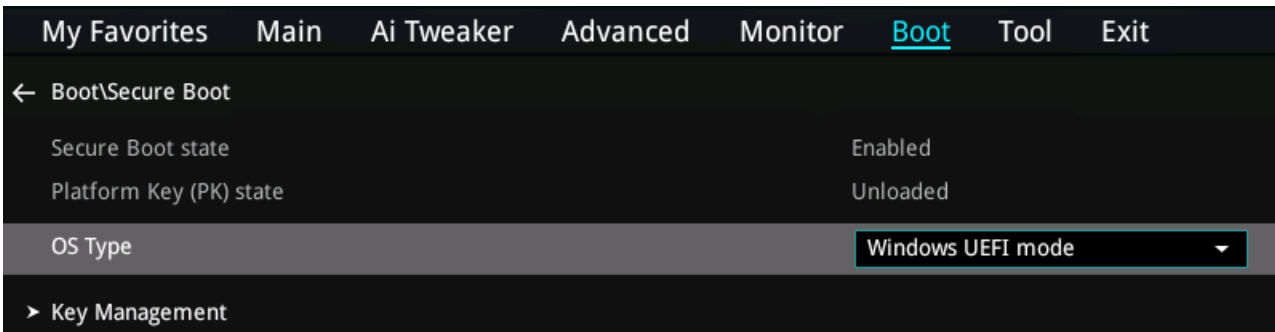
- Boot > Boot Configuration > Fast Boot.



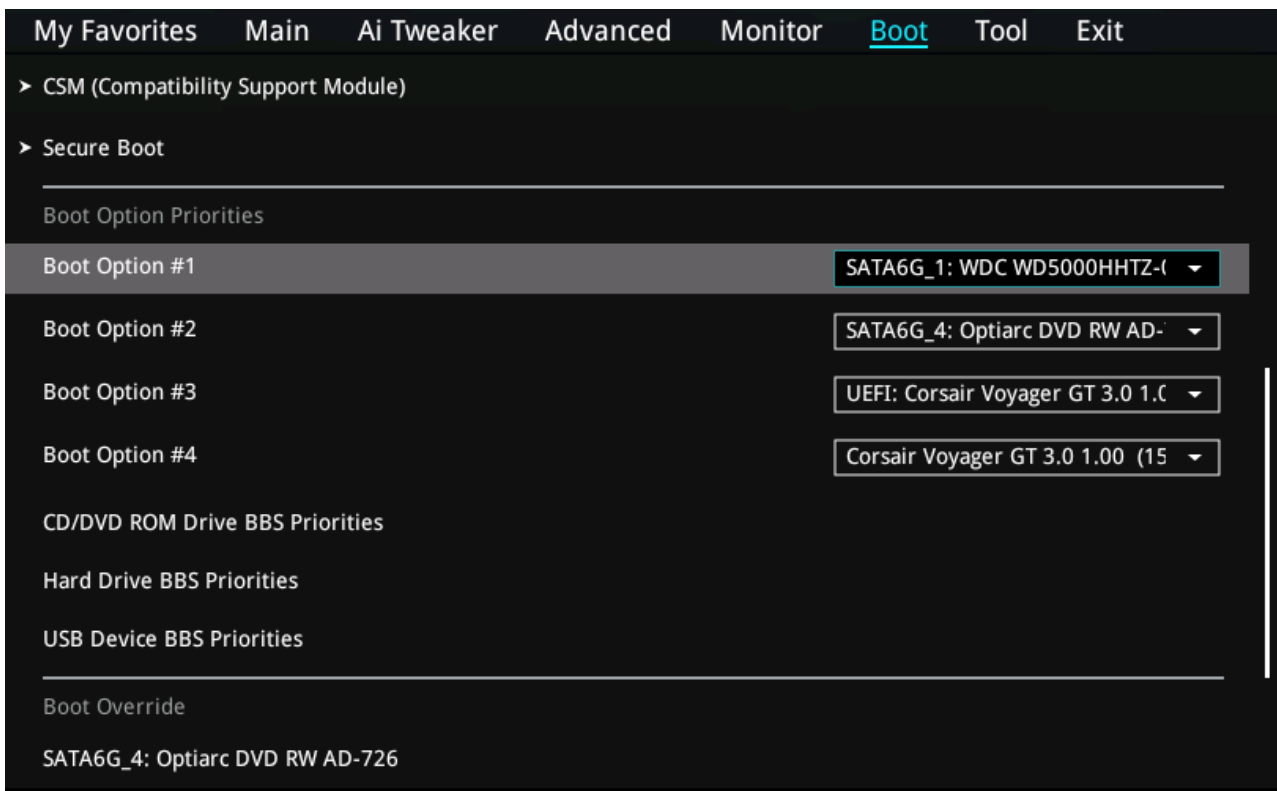
- Boot > CSM (Compatibility Support Module).



- Boot > Secure Boot.



- Boot Option Priorities.



## When to Flash The BIOS

We recommend that you only update your BIOS if you are experiencing a product issue or if you have been advised to perform the upgrade by Stone Support.

**Note:** During the BIOS update process do not disconnect or turn off the power as this will render the system inoperable.

Applies to:

- Stone systems based on the Asus H110T motherboard (BOAMOT-483 or BOAMOT-490)

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<https://kb.stonegroup.co.uk/index.php?View=entry&EntryID=608>