

Introduction

According to AptioFixPkg's README, “[c]ertain firmwares fail to properly initialize 0xE2 MSR register (MSR_BROADWELL_PKG_CST_CONFIG_CONTROL) across all the cores...”.

CFG Lock option is available on most APTIO V firmware, although it may be hidden from the GUI. If VerifyMsrE2 reports that your 0xE2 register is consistently locked, you may try to unlock this option directly.”

How to Unlock

TM1701: Cyb and FallenChromium created script to unlock. Please download DVMT__and__0xE2__fix and read README to unlock.

TM1707: Use the configuration table with RU.efi to unlock CFG LOCK.

TM1905: Use the configuration table with RU.efi to unlock CFG LOCK.

After that, you should disable MSR 0xE2 patches. - For Clover users, change the following code to disable MSR 0xE2 patch:

```
<key>KernelPm</key>
- <true/>
+ <false/>
```

- For OC users, change the following code to disable MSR 0xE2 patch:

```
<key>AppleXcpmCfgLock</key>
- <true/>
+ <false/>
```

Credits

- Acidanthera
 - AptioFixPkg
 - OpenCorePkg
- Cyb, FallenChromium, and goodyttoor for efforts on 8th Gen model
- htmambo for efforts on 10th Gen model