



# OpenCore

Reference Manual (0.8.~~0~~.1)

[2022.04.18]

- (g) As the `Default` value will increase with time to support the latest major released operating system, it is not recommended to use the `ApECID` and the `Default` settings together.
- (h) Installing macOS with Apple Secure Boot enabled is not possible while using HFS+ target volumes. This may include HFS+ formatted drives when no spare APFS drive is available.

The installed operating system may have sometimes outdated Apple Secure Boot manifests on the `Preboot` partition, resulting in boot failures. This is likely to be the case when an “OCB: Apple Secure Boot prohibits this boot entry, enforcing!” message is logged.

When this happens, either reinstall the operating system or copy the manifests (files with `.im4m` extension, such as `boot.efi.j137.im4m`) from `/usr/standalone/i386` to `/Volumes/Preboot/<UUID>/System/Library/CoreServices`. Here, `<UUID>` is the system volume identifier. On HFS+ installations, the manifests should be copied to `/System/Library/CoreServices` on the system volume.

For more details on how to configure Apple Secure Boot with UEFI Secure Boot, refer to the UEFI Secure Boot section.

## 8.6 Serial Properties

### 1. Custom

**Type:** plist dict

**Description:** Update serial port properties in `BaseSerialPortLib16550`.

This section lists the PCD values that are used by the `BaseSerialPortLib16550`. When option `Override` is set to `false`, this dictionary is optional.

### 2. Init

**Type:** plist boolean

**Failsafe:** false

**Description:** Perform serial port initialisation.

This option will perform serial port initialisation within OpenCore prior to enabling (any) debug logging.

Refer to the `Debugging` section for details.

### 3. Override

**Type:** plist boolean

**Failsafe:** false

**Description:** Override serial port properties. When this option is set to `false`, no keys from `Custom` will be overridden.

This option will override serial port properties listed in the `Serial Custom Properties` section below.

### 8.6.1 Serial Custom Properties

#### 1. BaudRate

**Type:** plist integer

**Failsafe:** 115200

**Description:** Set the baud rate for serial port.

This option will override the value of `gEfiMdeModulePkgTokenSpaceGuid.PcdSerialBaudRate` defined in `MdeModulePkg.dec`.

#### 2. ClockRate

**Type:** plist integer

**Failsafe:** 1843200

**Description:** Set the clock rate for serial port.

This option will override the value of `gEfiMdeModulePkgTokenSpaceGuid.PcdSerialClockRate` [defined in MdeModulePkg.dec](#).

#### 3. [DetectCable](#)

**Type:** [plist boolean](#)