



# OpenCore v0.6.0 Intel Haswell Laptop Sanity Check

[Show Raw XML](#)<https://dortania.github.io/OpenCore-Install-Guide/config-laptop.plist/haswell.html>

## Booter

### MmioWhitelist

### Quirks

- ✔ AvoidRuntimeDefrag = Yes
- ✔ DevirtualiseMmio = No
- ✔ DisableSingleUser = No
- ✔ DisableVariableWrite = No
- ✔ DiscardHibernateMap = No
- ✔ EnableSafeModeSlide = Yes
- ✔ EnableWriteUnprotector = Yes
- ✔ ForceExitBootServices = No
- ✔ ProtectMemoryRegions = No
- ✔ ProtectSecureBoot = No
- ✔ ProtectUefiServices = No
- ✔ ProvideCustomSlide = Yes
- ✔ ProvideMaxSlide = 0
- ✔ RebuildAppleMemoryMap = No
- ✔ SetupVirtualMap = Yes
- ✔ SignalAppleOS = No
- ✔ SyncRuntimePermissions = No

## Misc

### Security

- ✔ AllowNvramReset = Yes
- ✔ AllowSetDefault = Yes
- ✔ AuthRestart = No
- ✔ BootProtect = Bootstrap
- ✔ Vault = Optional
- ✔ HaltLevel = 2147483648
- ✔ ExposeSensitiveData = 3
- ✔ ScanPolicy = 0

### Boot

- ✔ ConsoleAttributes = 0
- ⚠ PollAppleHotKeys = Yes but should normally be No
- ✔ ShowPicker = Yes
- ✔ TakeoffDelay = 0
- ✔ HibernateMode = None
- ✔ PickerMode = Builtin
- ✔ HideAuxiliary = No
- ✔ PickerAttributes = 0
- ✔ PickerAudioAssist = No
- ⚠ Timeout = 10 but should normally be 5

## Entries

### Tools

- 🔧 You can remove the tool EFIs here

## Debug

- ⚠ AppleDebug = No but should normally be Yes
- ⚠ ApplePanic = No but should normally be Yes
- ✔ DisableWatchDog enabling this will help debugging
- ✔ Target see the [Debugging Docs](#) for more info on debug target numbers
- ✔ DisplayLevel = 2147483714
- ✔ DisplayDelay = 0

## BlessOverride

## Kernel

### Quirks

- ✔ AppleCpuPmCfgLock = No Make sure CFG-Lock is disabled in your bios
- ✔ AppleXcpmCfgLock = Yes You should disable CFG-Lock in your bios instead of using this
- ✔ AppleXcpmExtraMsrs = No
- ✔ AppleXcpmForceBoost = No
- ✔ CustomSMBIOSGuid = No If you have a Dell or VIAO motherboard, please enable this
- ⚠ DisableIoMapper = No but should normally be Yes
- ✔ DisableRtcChecksum = No
- ✔ DummyPowerManagement = No
- ✔ ExternalDiskIcons = No
- ✔ IncreasePciBarSize = No
- ✔ LpicKernelPanic = No
- ⚠ PanicNoKextDump = No but should normally be Yes
- ✔ PowerTimeoutKernelPanic = Yes
- ✔ ThirdPartyDrives = No
- ✔ XhciPortLimit = Yes turn off after USB port mapping

## Emulate

## Block

## Patch

### Add

- ✔ Lilu.kext make sure this Kext is in your **OC/Kexts** directory and the first kext listed here
- ⚠ FakePCIID.kext there are better ways to fake device ids
- ⚠ FakePCIID\_Intel\_HDMI\_Audio.kext there are better ways to fake device ids
- ✔ VirtualSMC.kext make sure this Kext is in your **OC/Kexts** directory
- ✔ WhateverGreen.kext make sure this Kext is in your **OC/Kexts** directory
- ✔ AppleALC.kext make sure this Kext is in your **OC/Kexts** directory
- ✔ FakePCIID\_Broadcom\_WiFi.kext make sure this Kext is in your **OC/Kexts** directory
- ✔ FakePCIID\_Intel\_HD\_Graphics.kext make sure this Kext is in your **OC/Kexts** directory
- ✔ FakePCIID\_XHCI\_Mux.kext make sure this Kext is in your **OC/Kexts** directory
- ✔ RealtekRTL8111.kext make sure this Kext is in your **OC/Kexts** directory
- ✔ USBInjectAll.kext make sure this Kext is in your **OC/Kexts** directory
- ✔ VoodooPS2ControllerR6Bronxteck.kext make sure this Kext is in your **OC/Kexts** directory
- ✔ ACPIBatteryManager.kext make sure this Kext is in your **OC/Kexts** directory
- ✔ AirportBrcmFixup.kext make sure this Kext is in your **OC/Kexts** directory
- ✔ BrcmBluetoothInjector.kext make sure this Kext is in your **OC/Kexts** directory
- ✔ BrcmFirmwareData.kext make sure this Kext is in your **OC/Kexts** directory
- ✔ BrcmPatchRAM3.kext make sure this Kext is in your **OC/Kexts** directory
- ✔ BroadcomWiFiInjector.kext make sure this Kext is in your **OC/Kexts** directory
- ✔ BT4LEContinuityFixup.kext make sure this Kext is in your **OC/Kexts** directory
- ✔ FakeSMC ACPI Sensors.kext make sure this Kext is in your **OC/Kexts** directory
- ✔ FakeSMC CPU Sensors.kext make sure this Kext is in your **OC/Kexts** directory
- ✔ FakeSMC GPU Sensors.kext make sure this Kext is in your **OC/Kexts** directory
- ✔ FakeSMC LPC Sensors.kext make sure this Kext is in your **OC/Kexts** directory
- ✔ FakeSMC\_SMM Sensors.kext make sure this Kext is in your **OC/Kexts** directory

## NVRAM

- ✔ LegacyEnable = No
- ✔ LegacyOverwrite = No
- ⚠ WriteFlash = No but should normally be Yes

## Delete

## LegacySchema

### Add

- ⚠ boot-args = -v nv\_disable=1 dart=0 kext-dev-mode=1 -ath9485 agdpmmod=vi9696 smcgen=1 -lilubetaall vsmcbeta You need to add alcid=<layout> here since you are using AppleALC.kext
- ✔ run-efi-updater = No
- ✔ csr-active-config = e7030000
- ✔ prev-lang:kbd = 7a682d48616e733a323532 (zh-Hans:252)
- ✔ SystemAudioVolume = 46
- ✔ UIScale = 01
- ✔ DefaultBackgroundColor = 00000000

## UEFI

- ✔ ConnectDrivers = Yes

## Drivers

- ✔ HFSPPlus.efi
- ✔ OpenRuntime.efi
- ⚠ ApfsDriverLoader.efi was merged into OpenCore under the UEFI/APFS section as of OpenCore v0.5.8
- ✔ OpenUsbKbDxe.efi Unless you are doing a legacy install, you don't need this
- ✔ AudioDxe.efi
- ✔ MemoryAllocation.efi
- ✔ OpenCanopy.efi

## Output

- ✔ TextRenderer = BuiltinGraphics
- ✔ ConsoleMode = -blank-
- ✔ Resolution = Max
- ✔ ClearScreenOnModeSwitch = No
- ✔ IgnoreTextInGraphics = No
- ✔ ProvideConsoleGop = Yes
- ✔ DirectGopRendering = No
- ✔ ReconnectOnResChange = No
- ✔ ReplaceTabWithSpace = No
- ✔ SanitiseClearScreen = Yes
- ✔ UgaPassThrough = No

## APFS

- ✔ EnableJumpstart = Yes
- ✔ GlobalConnect = No
- ✔ HideVerbose = Yes
- ⚠ JumpstartHotPlug = Yes but should normally be No
- ✔ MinDate = 0
- ✔ MinVersion = 0

## Audio

- ✔ AudioSupport = Yes
- ✔ AudioDevice = PciRoot(0x0)/Pci(0x1B,0x0)
- ✔ AudioCodec = 18
- ✔ AudioOut = 33
- ✔ MinimumVolume = 20
- ✔ PlayChime = Yes
- ✔ VolumeAmplifier = 0

## Quirks

- ✔ DeduplicateBootOrder = Yes
- ✔ ExitBootServicesDelay = 0
- ✔ IgnoreInvalidFlexRatio = Yes
- ⚠ ReleaseUsbOwnership = No but should normally be Yes
- ✔ RequestBootVarRouting = Yes
- ✔ TscSyncTimeout = 0
- ✔ UnblockFsConnect = No If you have an HP system, please enable this

## Input

- ✔ KeyFiltering = No
- ✔ KeyForgetThreshold = 5
- ✔ KeyMergeThreshold = 2
- ✔ KeySupport = Yes
- ✔ KeySupportMode = Auto
- ✔ KeySwap = No
- ✔ PointerSupport = No
- ✔ PointerSupportMode = ASUS
- ✔ TimerResolution = 50000

## ReservedMemory

### ProtocolOverrides

- ⚠ You should have exactly 16 settings in the UEFI/ProtocolOverrides section
- ⚠ AppleAudio = Yes but should normally be No
- ✔ AppleBootPolicy = No
- ✔ AppleDebugLog = No
- ✔ AppleEvent = No
- ✔ AppleFrameBufferInfo = No
- ✔ AppleImageConversion = No
- ✔ AppleKeyMap = No
- ✔ AppleRtcRam = No
- ⚠ AppleSmcIo = Yes but should normally be No
- ✔ DataHub = No
- ⚠ DeviceProperties = Yes but should normally be No
- ✔ FirmwareVolume = No
- ✔ HashServices = No
- ✔ OSInfo = No
- ✔ UnicodeCollation = No

## DeviceProperties

### Add

- ✔ AAPL,ig-platform-id = 0600260a iGPU set correctly

### Delete

## ACPI

### Delete

## Patch

### Quirks

- ✔ FadtEnableReset = No
- ✔ NormalizeHeaders = No
- ⚠ RebaseRegions = Yes but should normally be No
- ✔ ResetHwSig = No
- ✔ ResetLogoStatus = No

### Add

- ⚠ DSDT.aml You should not be including your dumped DSDT. Please review the [ACPI Docs](#).
- ✔ SSDT-LPC.aml Make sure this file is in your OC/ACPI directory
- ✔ SSDT-PNLF.aml Make sure this file is in your OC/ACPI directory
- ✔ SSDT-EC.aml Make sure this file is in your OC/ACPI directory

## PlatformInfo

- ✔ Automatic = Yes
- ✔ UpdateDataHub = Yes
- ✔ UpdateNVRAM = Yes
- ✔ UpdateSMBIOS = Yes
- ✔ UpdateSMBIOSMode = Create If you have a Dell or VIAO motherboard, please set this to **Custom**

## Generic

- ✔ SpoofVendor = Yes
- ✔ AdviseWindows = No
- ⚠ SystemProductName = MacBookPro14,1 this is not a suggested SMBIOS for Haswell Laptop systems. See [PlatformInfo Docs](#)
- ✔ MLB is set
- ✔ ROM is set
- ✔ SystemSerialNumber is set
- ✔ SystemUUID is set