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Support	Version
Initial macOS Support	OS X 10.6.3, Snow Leopard
Last Supported OS	macOS 12 Monterey
Note 1	For Ventura information, see macOS 13 Ventura
Note 2	Apple does not support desktop Iron Lake iGPUs
Note 3	Most Lynnfield and Clarkdale boards do not support UEFI

Desktop Lynnfield and Clarkdale

Starting Point

So making a config.plist may seem hard, it's not. It just takes some time but this guide will tell you how to configure everything, you won't be left in the cold. This also means if you have issues, review your config settings to make sure they're correct. Main things to note with OpenCore:

- All properties must be defined, there are no default OpenCore will fall back on so do not delete sections unless told explicitly so. If the guide doesn't mention the option, leave it at default.
- The Sample.plist cannot be used As-Is, you must configure it to your system
- DO NOT USE CONFIGURATORS, these rarely respect OpenCore's configuration and even some like Mackie's will add Clover properties and corrupt plists!

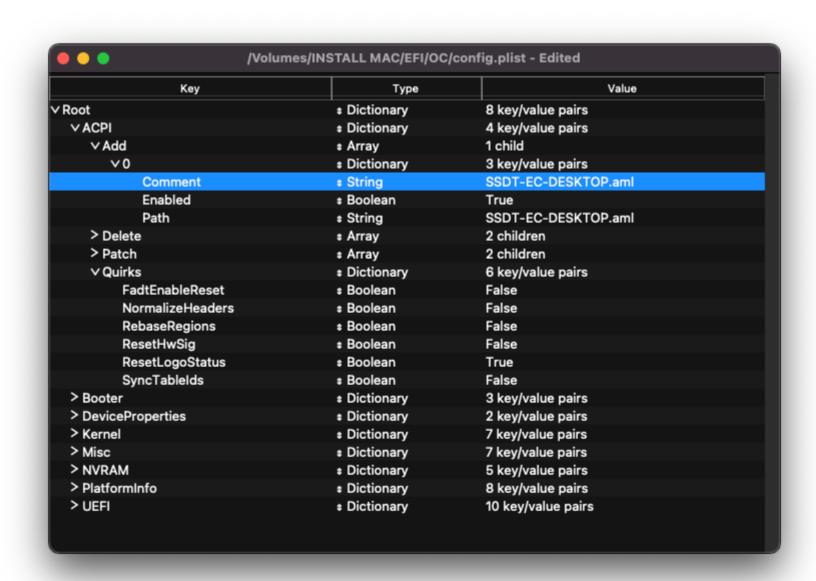
Now with all that, a quick reminder of the tools we need

- ProperTree
 - Universal plist editor
- - For generating our SMBIOS data
- - See previous section on how to obtain: config.plist Setup

WARNING

Read this guide more than once before setting up OpenCore and make sure you have it set up correctly. Do note that images will not always be the most up-to-date so please read the text below them, if nothing's mentioned then leave as default.

∧ C D



Add

Info

This is where you'll add SSDTs for your system, these are very important to **booting macOS** and have many uses like **USB maps** , **disabling unsupported GPUs** and such. And with our system, **it's even required to boot**. Guide on making them found here: **Getting started with ACPI**

For us we'll need a couple of SSDTs to bring back functionality that Clover provided:

Required SSDTs	Description
SSDT-EC□	Fixes the embedded controller, see Getting Started With ACPI Guide ☐ for more details.

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For those wanting a deeper dive into dumping your DSDT, how to make these SSDTs, and compiling them, please see the Getting started with ACPI page. Compiled SSDTs have a .aml extension(Assembled) and will go into the EFI/OC/ACPI folder and must be specified in your config under ACPI -> Add as well.

Delete

This blocks certain ACPI tables from loading, for us we can ignore this.

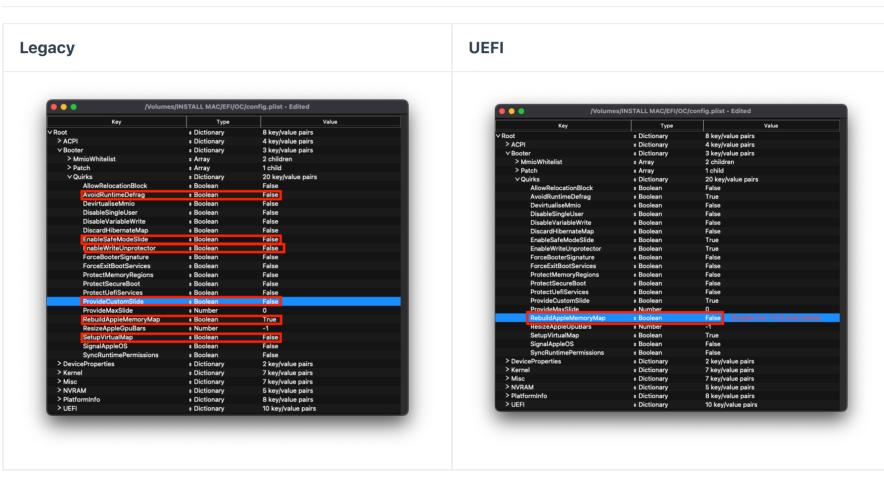
Patch

This section allows us to dynamically modify parts of the ACPI (DSDT, SSDT, etc.) via OpenCore. For us, our patches are handled by our SSDTs. This is a much cleaner solution as this will allow us to boot Windows and other OSes with OpenCore

Quirks

Settings relating to ACPI, leave everything here as default as we have no use for these quirks.

Booter



This section is dedicated to quirks relating to boot.efi patching with OpenRuntime, the replacement for AptioMemoryFix.efi

MmioWhitelist

This section is allowing spaces to be passthrough to macOS that are generally ignored, useful when paired with DevirtualiseMmio

Quirks

Info

Settings relating to boot.efi patching and firmware fixes, depending where your board has UEFI, you have 2 options depending what your motherboard supports:

Legacy Settings

Quirk	Enabled	Comment
AvoidRuntimeDefrag	No	Big Sur may require this quirk enabled
EnableSafeModeSlide	No	
EnableWriteUnprotector	No	
ProvideCustomSlide	No	
RebuildAppleMemoryMap	Yes	This is required to boot OS X 10.4 through 10.6
SetupVirtualMap	No	

UEFI Settings

Quirk	Enabled	Comment
RebuildAppleMemoryMap	Yes	This is required to boot OS X 10.4 through 10.6

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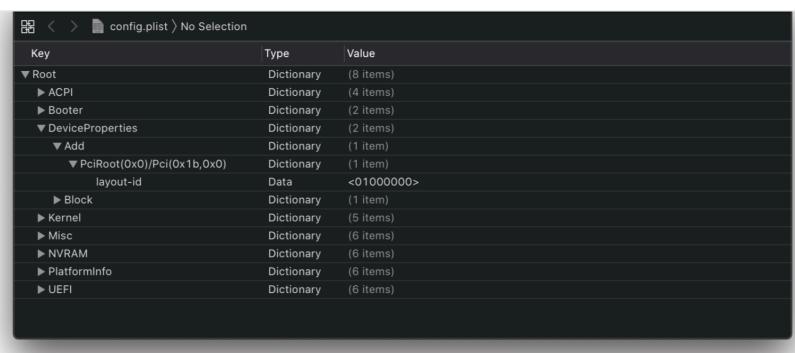
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Add

Sets device properties from a map.

By default, the Sample.plist has this section set for audio which we'll be setting up by setting the layout ID in the boot-args section, so removal of PciRoot(0x0)/Pci(0x1b,0x0) is also recommended from the Add section.

Delete

Removes device properties from the map, for us we can ignore this

Kernel

Key	Туре	Value
Root	Dictionary	8 key/value pairs
> ACPI	* Dictionary	4 key/value pairs
> Booter	* Dictionary	3 key/value pairs
> DeviceProperties	Dictionary	2 key/value pairs
∨ Kernel	* Dictionary	7 key/value pairs
> Add	* Array	2 children
> Block	* Array	1 child
> Emulate	Dictionary	5 key/value pairs
> Force	* Array	1 child
> Patch	* Array	10 children
∨ Quirks	Dictionary	22 key/value pairs
AppleCpuPmCfaLock	Boolean	True
AppleXcpmCfgLock	Boolean	True
AppleXcpmExtraMsrs	≇ Boolean	False
AppleXcpmForceBoos		False
CustomPciSerialDevic		False
CustomSMBIOSGuid	≉ Boolean	False Enable CustomSMBIOSGuid for
DisableloMapper	Boolean	True Dell or VAIO systems
DisableLinkeditJettisc	on # Boolean	True
DisableRtcChecksum	* Boolean	False
ExtendBTFeatureFlag	s # Boolean	False
ExternalDisklcons	* Boolean	False
ForceAquantiaEtherne	et # Boolean	False
ForceSecureBootSche		False
IncreasePciBarSize	* Boolean	False
LapicKernelPanic	* Boolean	False Enable LapicKernelPanic for HP Systems
LegacyCommpage	Boolean	False
PanicNoKextDump	Boolean	True
PowerTimeoutKernelF	Panic # Boolean	True
ProvideCurrentCpuInf	o # Boolean	False
SetApfsTrimTimeout	* Number	-1
ThirdPartyDrives	* Boolean	False S
XhciPortLimit	≉ Boolean	False Disable XhciPortLimit if you have
> Scheme	Dictionary	4 key/value pairs no USB 3 ports
> Misc	* Dictionary	7 key/value pairs
> NVRAM	Dictionary	5 key/value pairs
> PlatformInfo	* Dictionary	8 key/value pairs
> UEFI	Dictionary	10 key/value pairs

Add

Here's where we specify which kexts to load, in what specific order to load, and what architectures each kext is meant for. By default we recommend leaving what ProperTree has done, however for 32-bit CPUs please see below:

► More in-depth Info

Emulate

Needed for spoofing unsupported CPUs like Pentiums and Celerons

- Cpuid1Mask: Leave this blank
- Cpuid1Data: Leave this blank

Force

Used for loading kexts off system volume, only relevant for older operating systems where certain kexts are not present in the cache (ie. IONetworkingFamily in 10.6).

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Block

Blocks certain kexts from loading. Not relevant for us.

Patch

Patches both the kernel and kexts.

Quirks

Info

Settings relating to the kernel, for us we'll be enabling the following:

Quirk	Enabled	Comment
AppleCpuPmCfgLock	YES	Not needed if CFG-Lock is disabled in the BIOS
DisableloMapper	YES	Not needed if VT-D is disabled in the BIOS
LapicKernelPanic	NO	HP Machines will require this quirk
PanicNoKextDump	YES	
PowerTimeoutKernelPanic	YES	
XhciPortLimit	YES	Disable if running macOS 11.3+

► More in-depth Info

Scheme

Settings related to legacy booting(ie. 10.4-10.6), for majority you can skip however for those planning to boot legacy OSes you can see below:

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• • •	/olumes/INSTALL MAC/EFI/OC/	/config.plist - Edited
Key	Туре	Value
Root	Dictionary	8 key/value pairs
> ACPI	Dictionary	4 key/value pairs
> Booter	Dictionary	3 key/value pairs
> DeviceProperties	Dictionary	2 key/value pairs
> Kernel	Dictionary	7 key/value pairs
∨ Misc	Dictionary	7 key/value pairs
BlessOverride	Array	0 children
∨ Boot	Dictionary	13 key/value pairs
ConsoleAttributes	* Number	0
HibernateMode	String	None
HideAuxiliary	* Boolean	True
LauncherOption	* String	Disabled
LauncherPath	* String	Default
PickerAttributes	* Sumber	17
PickerAttributes PickerAudioAssist	≉ Number ≉ Boolean	False
		Builtin
PickerMode PickerModiest	* String	
PickerVariant	* String	Auto
PollAppleHotKeys	* Boolean	False
ShowPicker	Boolean	True
TakeoffDelay	* Number	0
Timeout	* Number	5
∨ Debug	Dictionary	8 key/value pairs
AppleDebug	Boolean	True
ApplePanic	≇ Boolean	True
DisableWatchDog	Boolean	False
DisplayDelay	* Number	0
DisplayLevel	* Number	2147483650
LogModules	s String	•
SvsReport		False
Target	Number	67
∨ Entries	Array	1 child
v 0	Dictionary	8 key/value pairs
Arguments	String	
Auxiliary	Boolean	False
Comment	* String	Not signed for security reasons
Enabled	Boolean	False
Flavour	* String	Auto
Name	* String	CustomOS
Path	* String	PciRoot(0x0)/Pci(0x1,0x1)/Pci(0x0,0x0)/NVMe(0x1,11-22
TextMode	Boolean ■	False
∨ Security	Dictionary	13 key/value pairs
AllowSetDefault	* Boolean	True
ApeCID	* Number	0
AuthRestart	# Boolean	False
BlacklistAppleUpdate	* Boolean	True
DmgLoading	* String	Signed
EnablePassword	* Boolean	False
ExposeSensitiveData	* Number	6
HaltLevel	* Number	2147483648
PasswordHash	≇ Data	♦
PasswordSalt	₽ Data	•
ScanPolicv	Number	Set SecureBootModel to Disabled if
SecureBootModel	\$ String	Default Volumenuire NVIDIA's web Driver
Vault	\$ String	Optional
> Serial	Dictionary	2 key/value pairs

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Quirk	Enabled	Comment
HideAuxiliary	YES	Press space to show macOS recovery and other auxiliary entries

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Debug

Info

Helpful for debugging OpenCore boot issues(We'll be changing everything but DisplayDelay):

Quirk	Enabled
AppleDebug	YES
ApplePanic	YES
DisableWatchDog	YES
Target	67

► More in-depth Info

Security

Info

Security is pretty self-explanatory, do not skip. We'll be changing the following:

Quirk	Enabled	Comment
AllowSetDefault	YES	
BlacklistAppleUpdate	YES	
ScanPolicy	0	
SecureBootModel	Default	Leave this as Default for OpenCore to automatically set the correct value corresponding to your SMBIOS. The next page goes into more detail about this setting.
Vault	Optional	This is a word, it is not optional to omit this setting. You will regret it if you don't set it to Optional, note that it is case-sensitive

► More in-depth Info

Serial

Used for serial debugging (Leave everything as default).

Tools

Used for running OC debugging tools like the shell, ProperTree's snapshot function will add these for you.

Entries

Used for specifying irregular boot paths that can't be found naturally with OpenCore.

Won't be covered here, see 8.6 of Configuration.pdf ☐ for more info

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/ Root	# Dictionary	8 key/value pairs
> ACPI	a Dictionary	4 key/value pairs
> Booter	Dictionary	3 key/value pairs
> DeviceProperties	Dictionary	2 key/value pairs
> Kernel	Dictionary	7 key/value pairs
> Misc	Dictionary	7 key/value pairs
∨ NVRAM	* Dictionary	5 key/value pairs
∨Add	Dictionary	3 key/value pairs
4D1EDE05-38C7-4A6A-9CC6-4BCCA8B38C ^o	Dictionary	1 key/value pair
DefaultBackgroundColor	p> Data p> Data	<00000000>
4D1FDA02-38C7-4A6A-9CC6-4BCCA8B3010	Dictionary	1 key/value pair
rtc-blacklist	p Data p → Data	
√7C436110-AB2A-4BBB-A880-FE41995C9F82	Dictionary	7 key/value pairs
#INFO (prev-lang:kbd)	String	en:252 (ABC), set 656e3a323532
ForceDisplayRotationInEFI	Number	0
	p Data p Data	<46>
boot-args	String	-v keepsyms=1 debug=0x100 alcid=1
csr-active-config	₽ Data	<00000000>
prev-lang:kbd	♯ Data	<
run-eti-updater	\$ String	NO
∨ Delete	Dictionary	3 key/value pairs
✓ 4D1EDE05-38C7-4A6A-9CC6-4BCCA8B38C°	* Array	1 child
0	String	DefaultBackgroundColor
✓ 4D1FDA02-38C7-4A6A-9CC6-4BCCA8B3010	* Array	1 child
0	String	rtc-blacklist
√7C436110-AB2A-4BBB-A880-FE41995C9F82	* Array	2 children
0	String	boot-args
1	String	ForceDisplayRotationInEFI
LegacyOverwrite	Boolean	False
> LegacySchema	Dictionary	2 key/value pairs
WriteFlash	Boolean	True
> PlatformInfo	Dictionary	8 key/value pairs
> UEFI	Dictionary	10 key/value pairs

Add

4D1EDE05-38C7-4A6A-9CC6-4BCCA8B38C14

Used for OpenCore's UI scaling, default will work for us. See in-depth section for more info

► More in-depth Info

4D1FDA02-38C7-4A6A-9CC6-4BCCA8B30102

OpenCore's NVRAM GUID, mainly relevant for RTCMemoryFixup users

► More in-depth Info

7C436110-AB2A-4BBB-A880-FE41995C9F82

System Integrity Protection bitmask

• General Purpose boot-args:

boot-args	Description
-v	This enables verbose mode, which shows all the behind-the-scenes text that scrolls by as you're booting instead of the Apple logo and progress bar. It's invaluable to any Hackintosher, as it gives you an inside look at the boot process, and can help you identify issues, problem kexts, etc.
debug=0x100	This disables macOS's watchdog which helps prevents a reboot on a kernel panic. That way you can <i>hopefully</i> glean some useful info and follow the breadcrumbs to get past the issues.
keepsyms=1	This is a companion setting to debug=0x100 that tells the OS to also print the symbols on a kernel panic. That can give some more helpful insight as to what's causing the panic itself.
alcid=1	Used for setting layout-id for AppleALC, see supported codecs to figure out which layout to use for your specific system. More info on this is covered in the Post-Install Page

GPU-Specific boot-args:

boot-args	Description		
agdpmod=pikera	Used for disabling board ID checks on some Navi GPUs (RX 5000 & 6000 series), without this you'll get a black screen. Don't use if you don't have Navi (ie. Polaris and Vega cards shouldn't use this)		
-radcodec	Used for allowing officially unsupported AMD GPUs (spoofed) to use the Hardware Video Encoder		
radpg=15	Used for disabling some power-gating modes, helpful for properly initializing AMD Cape Verde based GPUs		
unfairgva=1	Used for fixing hardware DRM support on supported AMD GPUs		
nvda_drv_vrl=1	Used for enabling NVIDIA's Web Drivers on Maxwell and Pascal cards in macOS Sierra and High Sierra		

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- the recovery partition.
- csr-active-config by default is set to 00000000 which enables System Integrity Protection. You can choose a
 number of different values but overall we recommend keeping this enabled for best security practices. More
 info can be found in our troubleshooting page: Disabling SIP
- run-efi-updater: No
 - This is used to prevent Apple's firmware update packages from installing and breaking boot order; this is important as these firmware updates (meant for Macs) will not work.
- prev-lang:kbd: <>
 - Needed for non-latin keyboards in the format of lang-COUNTRY: keyboard, recommended to keep blank though you can specify it(**Default in Sample config is Russian**):
 - American: en-US:0 (656e2d55533a30 in HEX)
 - Full list can be found in AppleKeyboardLayouts.txt
 - Hint: prev-lang:kbd can be changed into a String so you can input en-US:0 directly instead of converting to HEX
 - Hint 2: prev-lang:kbd can be set to a blank variable (eg. <>) which will force the Language Picker to appear instead at first boot up.

Key	Туре	Value
prev-lang:kbd	String	en-US:0

Delete

Info

Forcibly rewrites NVRAM variables, do note that Add will not overwrite values already present in NVRAM so values like boot-args should be left alone. For us, we'll be changing the following:

Quirk	Enabled
WriteFlash	YES

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• • •	/Users/yuichiro/Desktop/smbi	ios/IvyBridge.plist
Key	Туре	Value
✓ Root	* Dictionary	8 key/value pairs
> ACPI	* Dictionary	4 key/value pairs
> Booter	Dictionary	3 key/value pairs
> DeviceProperties	Dictionary	2 key/value pairs
> Kernel	Dictionary	7 key/value pairs
> Misc	Dictionary	7 key/value pairs
> NVRAM	Dictionary	5 key/value pairs
∨ Platforminfo	Dictionary	8 key/value pairs
Automatic		True
CustomMemorv	Boolean	False
∨ Generic	Dictionary	10 key/value pairs
AdviseFeatures	Boolean	False
MLB	\$ String	C02321902QXF2FRCB
MaxBIOSVersion	Boolean	False
ProcessorType	* Number	0
ROM	Data	<484BAAEC 18E4>
SpoofVendor	Boolean	True
SystemMemoryStatus	* String	Auto
SystemProductName	* String	iMac13,2
SystemSerialNumber	String	C02KRPZPDNCW
SystemUUID	s String	CB56DEA6-5E76-440F-A243-23BB09A00C05
UpdateDataHub	Boolean	True
UpdateNVRAM	≉ Boolean	True
UpdateSMBIOS	≉ Boolean	True
UpdateSMBIOSMode	\$ String	Create
UseRawUuidEncoding	≉ Boolean	False
> UEFI	Dictionary	10 key/value pairs

Info

For setting up the SMBIOS info, we'll use CorpNewt's GenSMBIOS ☐ application.

For this Clarkdale example, we'll chose the iMac11,2 SMBIOS - this is done intentionally for compatibility's sake. There are 3 main SMBIOS used for Clarkdale:

SMBIOS	Hardware	
iMac11,1	Lynnfield SMBIOS	
iMac11,2	Clarkdale SMBIOS	
MacPro6,1	Mojave and newer SMBIOS	

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Run GenSMBIOS, pick option 1 for downloading MacSerial and Option 3 for selecting out SMBIOS. This will give us an output similar to the following:

Type: iMac11,2
Serial: C02KCYZLDNCW
Board Serial: C02309301QXF2FRJC

SmUUID: A154B586-874B-4E57-A1FF-9D6E503E4580

The Type part gets copied to Generic -> SystemProductName.

The Serial part gets copied to Generic -> SystemSerialNumber.

The Board Serial part gets copied to Generic -> MLB.

The Smuuid part gets copied to Generic -> SystemUUID.

We set Generic -> ROM to either an Apple ROM (dumped from a real Mac), your NIC MAC address, or any random MAC address (could be just 6 random bytes, for this guide we'll use 11223300 0000 . After install follow the Fixing iServices page on how to find your real MAC Address)

Reminder that you need an invalid serial! When inputting your serial number in Apple's Check Coverage Page downward, you should get a message such as "Unable to check coverage for this serial number."

Automatic: YES

Generates PlatformInfo based on Generic section instead of DataHub, NVRAM, and SMBIOS sections

Generic

► More in-depth Info

UEFI

Key	Туре	Value
∨ APFS	Dictionary	6 key/value pairs
EnableJumpstart	Boolean	True
GlobalConnect	Boolean	False
HideVerbose	Boolean	True
JumpstartHotPlug	Boolean	False
MinDate	Number	0
MinVersion	Number	0
> AppleInput	Dictionary	10 key/value pairs
> Audio	Dictionary	11 key/value pairs
ConnectDrivers	Boolean	True
∨Drivers	Array	3 children
V0	Dictionary	5 key/value pairs
Arguments	* String	
Comment	* String	HFS+ Driver
Enabled	Boolean	True
LoadEarly	Boolean	False
Path	String	HfsPlus.efi
v1	Dictionary	5 key/value pairs
Arguments	* String	
Comment	String	
Enabled	Boolean	True
LoadEarly	Boolean	False
Path	String	OpenRuntime.efi
×2	* Dictionary	5 key/value pairs
Arguments	* String	,, pa
Comment	s String	
Enabled	* Boolean	False
LoadEarly	Boolean	False
Path	String	OpenUsbKbDxe.efi
∨Input	Dictionary	8 key/value pairs
KeyFiltering	* Boolean	False
KeyForgetThreshold	* Number	5
KeySupport	Boolean	False <-Enable if your motherboard has
KeySupportMode	String	Auto UEFI
KeySwap	Boolean	False
PointerSupport	Boolean	False
PointerSupportMode	String	ASUS
TimerResolution	* Number	50000
∨ Output	Dictionary	15 key/value pairs
ClearScreenOnModeSwitch	* Boolean	False
ConsoleMode	String	
DirectGopRendering	* Boolean	False
ForceResolution	Boolean	False
GopPassThrough	* String	Disabled
IgnoreTextInGraphics	* Boolean	False
ProvideConsoleGop	* Boolean	True
ReconnectGraphicsOnConnect	* Boolean	False
ReconnectOnResChange	# Boolean	False
ReplaceTabWithSpace	Boolean Boolean	False
Resolution	String	Haise Max
SanitiseClearScreen	* String * Boolean	Max False
TextRenderer	String	
UScale	String Number	BuiltinGraphics 0
	* Number * Boolean	0 False
UgaPassThrough		
> ProtocolOverrides	Dictionary Dictionary	18 key/value pairs
∨ Quirks	Dictionary	14 key/value pairs
ActivateHpetSupport	Boolean	False
DisableSecurityPolicy	* Boolean	False
EnableVectorAcceleration	* Boolean	True
EnableVmx	* Boolean	False
ExitBootServicesDelay	* Number	0
ForceOcWriteFlash	* Boolean	False
ForgeUefiSupport	≇ B oolean	False
IgnoreInvalidFlexRatio	Boolean	True
ReleaseUsbOwnership	Boolean	True
ReloadOptionRoms	Boolean	False
RequestBootVarRouting	Boolean	True
ResizeGpuBars	* Number	-1
TscSyncTimeout	Number	0
UnblockFsConnect	Boolean	False <- Enable on HP

Why OpenCore over Clover and others

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but not all drivers connect themselves. E.g. certain file system drivers may not load.

GitHub □

Drivers

Add your .efi drivers here.

Only drivers present here should be:

- HfsPlusLegacy.efi
- OpenRuntime.efi
- OpenUsbKbDxe.efi(If your firmware does not support UEFI)
 - ► More in-depth Info

APFS

By default, OpenCore only loads APFS drivers from macOS Big Sur and newer. If you are booting macOS Catalina or earlier, you may need to set a new minimum version/date. Not setting this can result in OpenCore not finding your macOS partition!

macOS Sierra and earlier use HFS instead of APFS. You can skip this section if booting older versions of macOS.

APFS Versions

Both MinVersion and MinDate need to be set if changing the minimum version.

macOS Version	Min Version	Min Date
High Sierra (10.13.6)	748077008000000	20180621
Mojave (10.14.6)	945275007000000	20190820
Catalina (10.15.4)	1412101001000000	20200306
No restriction	-1	-1

Audio

Related to AudioDxe settings, for us we'll be ignoring(leave as default). This is unrelated to audio support in macOS.

• For further use of AudioDxe and the Audio section, please see the Post Install page: Add GUI and Boot-chime ☑

Input

Info

Related to boot.efi keyboard passthrough used for FileVault and Hotkey support, leave everything here as default besides:

Quirk	Value	Comment
KeySupport	NO	Enable if your BIOS supports UEFI

Output

Relating to OpenCore's visual output, leave everything here as default as we have no use for these quirks.

► More in-depth Info

ProtocolOverrides

Mainly relevant for Virtual machines, legacy macs and FileVault users. See here for more details: Security and FileVault □

Quirks

Info

Relating to quirks with the UEFI environment, for us we'll be changing the following:

Quirk	Enabled	Comment
IgnoreInvalidFlexRatio	YES	
UnblockFsConnect	NO	Needed mainly by HP motherboards

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ReservedMemory

Used for exempting certain memory regions from OSes to use, mainly relevant for Sandy Bridge iGPUs or systems with faulty memory. Use of this quirk is not covered in this guide

GitHub □

Cleaning up

And now you're ready to save and place it into your EFI under EFI/OC.

For those having booting issues, please make sure to read the **Troubleshooting section** first and if your questions are still unanswered we have plenty of resources at your disposal:

- r/Hackintosh Subreddit

Intel BIOS settings

• Note: Most of these options may not be present in your firmware, we recommend matching up as closely as possible but don't be too concerned if many of these options are not available in your BIOS

Disable

- Fast Boot
- Secure Boot
- Serial/COM Port
- Parallel Port
- VT-d (can be enabled if you set DisableIoMapper to YES)
- Compatibility Support Module (CSM) (Must be off in most cases, GPU errors/stalls like gIO are common when this option is enabled)
- Thunderbolt (For initial install, as Thunderbolt can cause issues if not setup correctly)
- Intel SGX
- Intel Platform Trust
- CFG Lock (MSR 0xE2 write protection)(This must be off, if you can't find the option then enable AppleCpuPmCfgLock under Kernel -> Quirks. Your hack will not boot with CFG-Lock enabled)

Enable

• VT-x

← Penryn

- Above 4G Decoding
- Hyper-Threading
- Execute Disable Bit
- EHCI/XHCI Hand-off
 OS type: Windows 8.1/10 UEFI Mode (some motherboards may require "Other OS" instead)
- DVMT Pre-Allocated(iGPU Memory): 32MB or higher
- SATA Mode: AHCI

Once done here, we need to edit a couple extra values. Head to the Apple Secure Boot Page

Help us improve this page! ☐ Last Updated: 7/11/2023, 12:59:44 AM

Sandy Bridge →