

In Arbeit

Hacintosh - Ryzen 5950X - MSI Meg Unify X570 + AMD GPU (?)

Beitrag von „Enaske“ vom 23. August 2022, 09:37

Grüße euch,

ich war bisher immer am überlegen, ob ich mir für einige dinge, nicht einfach ein MacBook M1 Max kaufe, jedoch bin ich nie auf die smarte Idee gekommen, dass ich meine 3080 die ich aktuell habe, einfach gegen eine AMD Karte tauschen könnte.

Daher wollte ich vorab mal fragen, ob mein Setup prinzipiell laufen würde:

Mainboard:

MSI Meg Unify X570 (hab gehört, mit MSI Boards, soll es im aktuellen OS Probleme geben?)

CPU:

Ryzen 5950X

GPU:

??? (vermutlich dann ja eine 6900 XT oder 6950 XT , je nachdem was man getauscht bekommt)

RAM :

32 GB

Ansonsten, bis an die Zähne bewaffnet mit SSDs, M2, normale SATA etc.

Für den Ryzen 5950X, scheint es ja ein paar Kernels zu geben? d.h. prinzipiell müsste man das ganze doch zum Laufen bekommen, oder irre ich mich da?

Lg

Beitrag von „Hecatomb“ vom 23. August 2022, 10:21

Guten Morgen.

Hier mal ein Link bezüglich deiner Frage eine kompatiblen GPU. Dort siehst du auch unter welchen macOS welche Karte unterstützt wird.

<https://dortania.github.io/GPU.../modern-gpus/amd-gpu.html>

Ob es mit einem Mainboard Probleme gibt, lässt sich nicht immer gut beantworten.... Dazu gibt's aber auch auf der Dortania Seite zumindest zu einigen Boards bzw. manchen Chipsätze ein paar Infos.

hier auch ein Link zu diesem Thema.

<https://dortania.github.io/Anti-Hackintosh-Buyers-Guide/>

Es ist immer schwer zu sagen was deine Aussage mit MSI betrifft.... Mein Intel MSI System läuft zb ziemlich gut, und nun nach einem Update von Ventura beta 4 and beta 5 geht die sleep Funktion zb nicht mehr. Bei einem Hackintosh kann sowas leider immer passieren, dass plötzlich mal etwas nicht mehr geht.

ps: ja deine Komponenten sollten mit passender GPU eigentlich laufen !

Beitrag von „kaneske“ vom 23. August 2022, 10:48

Guten Morgen [Enaske](#),

dein Projekt ist mit der von dir in der Endplanung ausgeführten Teile wohl machbar.

Hier kannst du die Links von [Hecatomb](#) zu Rate ziehen oder in meiner Signatur nachsehen und dir Grundwissen aneignen. Wir helfen dann wenn du nicht weiter kommst gerne weiter.

Zu deinem Vorhaben an sich:

[Zitat von Enaske](#)

bin ich nie auf die smarte Idee gekommen, dass ich meine 3080 die ich aktuell habe, einfach gegen eine AMD Karte tauschen

ein Lösung, aber du kannst auch eine 2. GPU verbauen und die 3080 weiter in Windows nutzen bzw. diese in macOS deaktivieren und eine AMD GPU in macOS laufen lassen.

[Zitat von Enaske](#)

hab gehört, mit MSI Boards, soll es im aktuellen OS Probleme geben?

Hab ich noch nicht gehört, eher dass das BIOS dazwischen funkt. Probleme sind bei einem Hackintosh immer relativ, bei AMD umso mehr 😊

[Zitat von Enaske](#)

vermutlich dann ja eine 6900 XT oder 6950 XT

zu 6950XT ist mir noch kein erfolgreicher Spoof bekannt, diese wird ohne nicht mit Beschleunigung laufen.

6900XT/6800(XT) oder 6600(XT) laufen OOB ab Monterey

[Zitat von Enaske](#)

Ryzen 5950X

keine nennenswerte Thematik, siehst du bei Kernelpatches in den Links die wir genannt haben

[Zitat von Enaske](#)

32 GB

keine nennenswerte Thematik

[Zitat von Enaske](#)

Ansonsten, bis an die Zähne bewaffnet mit SSDs, M2, normale SATA etc.

je nach Hersteller derer (m.2) ein Thema, welche sind es genau?

[Zitat von Enaske](#)

Für den Ryzen 5950X, scheint es ja ein paar Kernels zu geben?

Kernels gab es mal fertig patched, diese Zeiten sind vorbei, die Patches werden via Bootloader gemacht, das kannst du auch in den Links nachlesen.

Du kannst auch einen KVM Hacky bauen...hast aber ein bissl wenig RAM dafür, wenn du schon so betonst dass du "bis an die Zähne bewaffnet" bist mit SSDs dann kannst du einen Hypervisor (Promox z.B.) nutzen, deine overpowered CPU in 2 Häppchen teilen und jedes OS mit 8-Kernen bespielen. Jedes OS bekommt eine GPU (einmal 3080 und einmal 6600(XT) (z.B.)) und jeweils genug RAM.

Why not, wäre eine Option...

Beitrag von „Aluveitie“ vom 23. August 2022, 11:15

[Zitat von Enaske](#)

Mainboard:

MSI Meg Unify X570 (hab gehört, mit MSI Boards, soll es im aktuellen OS Probleme geben?)

MSI 500er boards machen mit neueren BIOS Versionen Probleme seit Monterey. MSI + Zen 3 wirst du Mühe haben Monterey oder Ventura zum laufen zu bekommen.

Für AMD Hackintoshes sind zuweilen ASUS Boards am meisten empfohlen.

[Zitat von Enaske](#)

Ansonsten, bis an die Zähne bewaffnet mit SSDs, M2, normale SATA etc.

Solange NVMe SSDs nicht von Samsung sind, deren TRIM Implementierung macht Probleme mit macOS

Beitrag von „fabiosun“ vom 23. August 2022, 12:06

[Zitat von Enaske](#)

Mainboard:

MSI Meg Unify X570 (hab gehört, mit MSI Boards, soll es im aktuellen OS Probleme geben?)

CPU:

Ryzen 5950X

Motherboard is very good but with 5950x you are limited to Big Sur

If you choose a 3950x you can use it with old motherboard firmware also in macOS Ventura

MSI not advised better to choose Asus or AsRock (x570 Steel legend is good and cheaper)

Check well internal ethernet support with any motherboard you will choose because from

Monterey and greater OS could be a pain to have it working well

It depends if you use app for video editing or SFX you could have the need of more ram (64Gb)

I use different kind of nvme, an old Samsung 960 pro (1Tb), 2 Sabrent rocket 4.0 with 0 problems from High Sierra to Ventura

I would not suggest to use this "beast" with Proxmox if you do not need special 32 bit apps or virtualisation apps because kernel patches are solid and all apps could work fine in bare metal

Beitrag von „Aluveitie“ vom 23. August 2022, 12:12

I've found ASRock to sometimes have weird "choices" done in the BIOS. Mine didn't choose 1:1 for IF clock even though per spec it should have, and other such small quirks. Asus has been much more consistent in my experience.

Beitrag von „fabiosun“ vom 23. August 2022, 12:15

[Zitat von Aluveitie](#)

I've found ASRock to sometimes have weird "choices" done in the BIOS. Mine didn't choose 1:1 for IF clock even though per spec it should have, and other such small quirks. Asus has been much more consistent in my experience.

I have had in the past a good feeling with as rock support, if you find the right channel they help in a real way to solve problems, in my case they unlocked MSR in a bios asking me if I was using their board with OSX 😊

Thank you for your fast answer.
Yes i would like to install osx 10.9.2
I have ha success with your 3.90 firmware having OSX working perfectly with X79 Extreme 9 and xeon v2 cpu
i have only limited osx speedstep control
with msr unlock should be ok
today i will try
with 3.90 firmware all is working except game blaster audio, it is not supported
thank you again

Inviato da iPhone

> Il giorno 21/08/2014, alle ore 05:10, Asrock TSD <Asrock_TSD@asrock.com.tw> ha scritto:
>
> Dear Customer,
>
> Thanks for contacting **ASRock**.
>
> Please update BIOS L3.91 from attached file for try, it unlock the specific bit of MSR.
> Can you tell us what's the application of that, install Mac OS?
>
> Thanks for your mail.
>
> Cheers,
> **ASRock** TSD

However Asus also is a good choice!

Beitrag von „Aluveitie“ vom 23. August 2022, 12:19

Yeah, their support was usually quite responsive to such requests, their boards aren't bad, but I found Asus to be more solid, but that is also reflected in the higher price.

Beitrag von „Enaske“ vom 23. August 2022, 14:10

Hey,

danke für die ganzen antworten, da muss ich mich erstmal durch WuselIn.

Die SSDs sind:

Force MP510 (2 TB) M2 SSD

Die 2. SSD ist eine 860 EVO 2 TB
Ansonsten noch einige "normale" HDDs.

PS: Wäre es den ein Nachteil Big Sur zu nutzen? Da es ja wohl drauf hinausläuft.
Monterey läuft ja aktuell auf meinem MacBook Air, also sollte das kein großer Verlust darstellen.

@[fabiosun](#) the Components (except the GPU) are set in Stone, since it going to be my Main Machine, I just want to get Hackintosh running as Dual Boot.

Beitrag von „fabiosun“ vom 23. August 2022, 14:31

[Zitat von Enaske](#)

[fabiosun](#) the Components (except the GPU) are set in Stone, since it going to be my Main Machine, I just want to get Hackintosh running as Dual Boot.

Does it mean you have yet this hardware as I see in your left system description?

If so, with new gpu (AMD 6900 xt) you can use BigSur 11.4 or greater (latest big Sur not tested but for sure till 11.5)

If you will try to update to Monterey or Ventura you will loose PCH maintained hardware (ie some M2 slot, some PCIEX and sata) and the best result it will be a system hang after few verbose lines)

Beitrag von „Enaske“ vom 23. August 2022, 14:47

[fabiosun](#)

exactly.

The system, to the left, is my current System I am running. The Idea behind everything was, to swap the 3080 for an AMD GPU, to run Hacintosh. So I save a lot of money. (Otherwise I would have bough a Mac M1 Max Notebook)

I'm not sure tho, how much performance I'm going to lose, if I swap a daily 3080 for an AMD 6900XT (since the 6950 XT seems not supported?)

Is there any negative impact in using Big Sur compared to Monterey? And how does my CPU limit anything right now?

PS: The Clover setting and everything is a pure placeholder, I had a hackintosh running a long time ago, but I am pretty much a pure noob.

PS²: To be exact about my Goal:

Having Dual Boot. Mac + Windows 10/11 (at some point)

Windows is installed on the M2 SSD, build into the PC.

For MAC, I want to create a partition on my Samsung EVO 860 SSD ~ 256 GB (Don't need much more) - Maybe 512 GB and install Mac on that SSD. So Mac gonna run on a SATA - SSD.

Beitrag von „fabiosun“ vom 23. August 2022, 14:53

[Zitat von Enaske](#)

I'm not sure tho, how much performance I'm going to lose, if I swap a daily 3080 for an AMD 6900XT (since the 6950 XT seems not supported?)

It depends

If you use apps like Photoshop, After Effects, Premiere pro Davinci Resolve you will see an improvement in real benchmark

[Zitat von Enaske](#)

Is there any negative impact in using Big Sur compared to Monterey?

No

[Zitat von Enaske](#)

And how does my CPU limit anything right now?

No limit

[Zitat von Enaske](#)

PS: The Clover setting and everything is a pure placeholder, I had a hackintosh running a long time ago, but I am pretty much a pure noob.

Clover works also with your configuration, but it is preferred to use a more modern and supported boot loader as OpenCore

[Zitat von Enaske](#)

Having Dual Boot. Mac + Windows 10/11 (at some point)

Windows is installed on the M2 SSD, build into the PC.

For MAC, I want to create a partition on my Samsung EVO 860 SSD ~ 256 GB (Don't need much more) - Maybe 512 GB and install Mac on that SSD. So Mac gonna run on a SATA - SSD.

Missed this 😊

Best solution is to use two different disk as you said

If you have no data to save or miss when you try you will be zero problems to have a multiboot configuration

and you will be happy of your system

In an optimal condition you could boot your system with open core boot menu and from there to choose a system to start (in my case I have Windows 11, OSX Monterey and Ventura) all on separated NVME disk

Beitrag von „Enaske“ vom 23. August 2022, 14:58

[fabiosun](#)

Can you list me the rough steps I need to go through?

Let's say:

I installed the new GPU and created a Partition on my Samsung EVO SSD, ready to install MacOS on.

- What are the next steps, if I am allowed to ask? Do I have to google for Kernel Mods? (It seems Kernels are the thing making your System to run?) -

Beitrag von „fabiosun“ vom 23. August 2022, 15:02

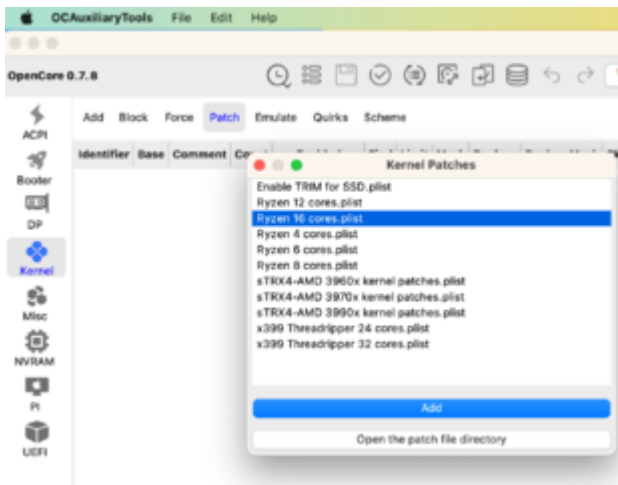
I do not suggest to use a partition but a full disk

Maybe German user in this forum could address you to a link in this forum to create a full installer usb Pen with Big Sur 11.5

No needs to mod kernel 😊😊

Now you have a few of Kernel patches to add to your config plist

if you use OCAT app you can create a "working" EFI using internal app presets



Beitrag von „Enaske“ vom 23. August 2022, 15:57

Oh,

so it's really just, getting like a tool, picking the proper patches and that's it? 😄

Sounds quite easy.

Beitrag von „fabiosun“ vom 23. August 2022, 16:31

[Enaske](#) if all goes well yes

I permit myself to suggest you to try to install also with your 3080 GPU to see if all is fine in your rig, you should have Big Sur installed without any graphics acceleration (VESA mode)

then you can swap your GPU with a supported one

Motherboard Bios could be also in your default settings and then:

CSM OFF/Uefi On

4G on or npci=0x2000 as boot arg if your motherboard need of this boot arg
if you don't give up fastly..you will have your system alive and kicking 😊

Beitrag von „Enaske“ vom 23. August 2022, 16:33

Ah, so the 3080 itself could work fine, it just won't be as fast as with a proper supported one?

Beitrag von „fabiosun“ vom 23. August 2022, 16:37

[Zitat von Enaske](#)

Ah, so the 3080 itself could work fine, it just won't be as fast as with a proper supported one?

no not finer at all

without gpu acceleration OSX experience is a dramatic experience

But, you can train yourself with a proper working EFI

then, with a 6900 xt you will have only to swap and calibrate a minimal kext in your EFI folder



Beitrag von „Enaske“ vom 23. August 2022, 16:42

Gotcha, following some Tutorial right now, wish me luck lol.

PS: Is Mac on a normal HDD fine as well? Or do you recommend an SSD? I believe, I just cleaning one of my big drives and install Mac there on a Partition.

Beitrag von „fabiosun“ vom 23. August 2022, 16:44

[Zitat von Enaske](#)

Gotcha, following some Tutorial right now, wish me luck lol.

PS: Is Mac on a normal HDD fine as well? Or do you recommend an SSD? I believe, I just cleaning one of my big drives and install Mac there on a Partition.

Better is to use a SSD disk but system works also with a mechanical drive (slowly)

attached is a config.plist with proper kernel patches and kext for your system

if you like you can try to study it

Remember also to adjust properly your [bios settings](#)

Beitrag von „kaneske“ vom 23. August 2022, 16:44

[Zitat von Enaske](#)

Mac on a normal HDD fine as well

You must be joking, today no OS is Fun on an rotating System Drive.

What you expect from it? 16-Core CPU, a top of the line GPU and an IOPS like a Snail?

Must be frustrating to use this.

Zur GPU Thematik:

Für deinen Fall brauchst du eine GPU, eine unterstützte.

Da gibt es einige, aber du brauchst eine, sonst kannst du das nicht brauchbar nutzen.

Falls du auch ins Internet willst: WiFi oder Kabel?

Beitrag von „Enaske“ vom 23. August 2022, 16:47

Hey [fabiosun](#),

thanks, I'm going to take a look!

Right now I am downloading MacOS. I believe its the latest Big Sur, not sure if it will run, or if I should limit myself to some older Big Sur Version.

Beitrag von „fabiosun“ vom 23. August 2022, 16:50

[Zitat von Enaske](#)

Hey [fabiosun](#),

thanks, I'm going to take a look!

Right now I am downloading MacOS. I believe its the latest Big Sur, not sure if it will run, or if I should limit myself to some older Big Sur Version.

I had some experiences with big sur 11.5 and MSI x570 platform

you have to try and I permit myself to say, do not give up fastly

Your system must work well! 😊

Beitrag von „Enaske“ vom 23. August 2022, 16:54

[kaneske](#)

Ich hätte es jetzt erst einmal mit der 3080 getestet (Quasi ohne Treiber ?). Geplant ist jedoch eine 6900 XT oder 6950 XT (Die 6950 XT ist nur ne 6900 XT mit schnellerem Takt, ansonsten baugleich)

Internet, per Kabel. Wifi / Bluetooth hab ich auch, ist aber theoretisch nicht wichtig.

Intel Wi-Fi 6 AX200 Wifi/BT

Realtek RTL8125 LAN

Audio ist:

Realtek ALC1220

Beitrag von „Traace“ vom 23. August 2022, 16:56

[Zitat von kaneske](#)

zu 6950XT ist mir noch kein erfolgreicher Spoof bekannt, diese wird ohne nicht mit Beschleunigung laufen.

6900XT/6800(XT) oder 6600(XT) laufen OOB ab Monterey

Spoof ist kein Problem. Beschleunigung geht auch 😊

Score unter Windows: <https://browser.geekbench.com/v5/compute/5067276>

Score unter MacOS: <https://browser.geekbench.com/v5/compute/5316139>

Anbei noch die SSDT für Karten mit der ID 73A5 (zum spoofen)

Beitrag von „Enaske“ vom 23. August 2022, 17:50

Also wo ich aktuell nicht ganz durch sehe, ist das SSDT, was man brauch.

Muss ich mir jetzt mit SSDTime eins selber bauen? Da ich es ja erst einmal mit der 3080 testen möchte? Oder läuft das auf der 3080 erst gar nicht?

Ig

Beitrag von „fabiosun“ vom 23. August 2022, 17:57

Don't mix stuff 😊

you don't need now of any ssdt to try to boot

then you could refine your ACPI folder

Firstly you have to build an EFI with a macOS Full installer of Big Sur

Try to boot and see where it hangs (if it hangs)

SSDT for GPU spoofing will be useful with 6950 GPU (and you have to build a proper one for your IOREG GPU address)

Beitrag von „Enaske“ vom 23. August 2022, 17:59

I'm just following some Video Guide, and it shows, that I need some SSDT Files, to spoof some kind of Hardware. CPUs etc.

I downloaded all the KEXTs now and the Recovery Files. So can I just skip the SSDT Part?

Beitrag von „fabiosun“ vom 23. August 2022, 18:05

for now you do not need to spoof anything

If you will buy a 6950XT pr a 6900 XT XTHX you must spoof device id to a supported one

3080 is not supported

it means no drivers for it and no acceleration (no spoof and so on)

if you use a recovery USB installer you must insert in Kext a proper Kext for ethernet card I think this one:

LucyRTL8125Ethernet.kext

do not use WIFI to install because you have to find a right combination for your intel hardware

Beitrag von „Enaske“ vom 23. August 2022, 19:06

Hey,

just want report back to you. I am writing you out of my MacOS. So installation worked fine.

The only error it shown in MacOS was "To many memory installed"

Processor is shown as 3,4 GHZ 16 Core Intel Xeon W. So I assume everything works fine?

The M2 SSD is missing tho. Any way to add it to my System?

My normal SSD and my 2 HDDs are detected fine.

Anything else I have to check?

Beitrag von „fabiosun“ vom 23. August 2022, 19:14

Bravo! 😊

could you post EFI you used so we can try to check it?

Zitat von Enaske

The only error it shown in MacOS was "To many memory installed"

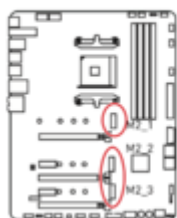
Processor is shown as 3,4 GHZ 16 Core Intel Xeon W. So I assume everything works fine?

both of this are adjustable

Zitat von Enaske

The M2 SSD is missing tho. Any way to add it to my System?

M2_1~3: M.2 Slots (Key M)



The following table describes the relationship between the M.2 slots and the PCIe bandwidth of the processors.

Slots	3rd Gen AMD Ryzen™	2nd Gen AMD Ryzen™	Ryzen™ with Radeon™ Vega Graphics and 2nd Gen AMD Ryzen™ with Radeon™ Graphics
M2_1 (CPU)	PCIe 4.0 x4	PCIe 3.0 x4	PCIe 3.0 x4
M2_2 (PCI)	PCIe 4.0 x4	PCIe 3.0 x4	PCIe 3.0 x4
M2_3 (PCI)	PCIe 4.0 x4	PCIe 3.0 x4	PCIe 3.0 x4

In which slot is your M2 installed?

And which Big Sur have you installed?

Beitrag von „Enaske“ vom 23. August 2022, 19:17

My bad, the M2 SSD is shown, I renamed it on my Windows, to reflect it on my MacOS.

The M2 SSD is shown as Removable Disk tho. Can I fix that? (Just a visual thing but..)

16 Core is fine, same with my Memory. It shows 32 GB. Is it fine to run 32 GB RAM tho?

Beitrag von „fabiosun“ vom 23. August 2022, 19:21

post your config.plist without serial and UUID

Name of your CPU should be Ryzen 16 core and also memory slot error is solvable if you use RestrictEvents.kext in your config.plist

[Zitat von Enaske](#)

The M2 SSD is shown as Removable Disk tho. Can I fix that? (Just a visual thing but..)

this is solvable via device properties or more simply with a quirk in config.plist

Beitrag von „Enaske“ vom 23. August 2022, 19:25

I removed SystemSerialName and SystemUUID. Hope that's correct, if not let me know.

PS: My M2 SSD = Disk0 and the partition is 04

So something like Disk0?04 can't remember exact term.

Beitrag von „fabiosun“ vom 23. August 2022, 19:30

[Enaske](#)

add this kext in your kext folder and declare it in kernel/add config.plist

you should also set better kext order

Usually lilu should be in first place and virtualSMC in second place or similar

Beitrag von „Enaske“ vom 23. August 2022, 19:31

Is it fine if I'm adding the KEXTS with "OC Clean Snapshot" ?

Beitrag von „fabiosun“ vom 23. August 2022, 19:33

nein 😊

or better I do not use that method

change with this config and only copy the kext in Kext folder (OC/Kext

this config should solve memory error and also CPU name

Beitrag von „Enaske“ vom 23. August 2022, 19:45

Works fine, thanks.

About my M2 SSD, I saw, that you need to add something to the DeviceConfig.

However, I am not sure, how to find the PciRoot. The only stuff I found was:

(I assumed, that Mass Storage = External Drives?)

Code

1. 2B:00.0 1022 7901 1022 7901 Disabl Advanced Micro Devices, Inc. [FCH SATA Controller [AHCI mode] Mass storage control SATA controller /pci1022,7901@0 pci1022,7901 PciRoot(0x0)/Pci(0x1,0x2)/Pci(0x0,0x0)/Pci(0x9,0x0)/Pci(0x0,0x0)
2. 2C:00.0 1022 7901 1022 7901 Disabl Advanced Micro Devices, Inc. [FCH SATA Controller [AHCI mode] Mass storage control SATA controller /pci1022,7901@0 pci1022,7901 PciRoot(0x0)/Pci(0x1,0x2)/Pci(0x0,0x0)/Pci(0xA,0x0)/Pci(0x0,0x0)

Beitrag von „fabiosun“ vom 23. August 2022, 19:46

now is dinner time here

if you do not solve tomorrow I will try to help

you have to find your ACPI disk name and declare it in device properties as internal (in your config.plist)

Beitrag von „Enaske“ vom 23. August 2022, 19:52

Code

1. 01:00.0 1987 5012 1987 5012 Disabl Phison Electronics Corporation E12 NVMe Controller
Mass storage control Non-Volatile memory /pci1987,5012@0 pci1987,5012
PciRoot(0x0)/Pci(0x1,0x1)/Pci(0x0,0x0)

This worked. Now my SSD is shown as Built In, amazing. Time to buy a GPU now I guess? :X

Beitrag von „fabiosun“ vom 23. August 2022, 21:28

[Enaske](#) you were be able to install easily Big Sur

Maybe you can try also to update to the latest monterey to see if your motherboard could work with latest OS X

I think it is not possible but it could worth to try

if you have a valid backup I mean

Beitrag von „Hecatomb“ vom 23. August 2022, 22:04

Geht ja schnell voran hier.... Hast du echt schon MacOS installiert?

Beitrag von „Enaske“ vom 24. August 2022, 01:02

Bei so ner tollen Community 😄

War es gar nicht schwer. Ich denke aber die plist.config hat viel Arbeit abgenommen.

[fabiosun](#) any Easy/fast way to back it up? Is there anything that stands against the latest OS?

Like Kexst wise etc.

buying the GPU might take a bit, selling 3080 seems quite hard right now, but so can def. Say it gonna be a 6900XT most likely a Sapphire or XFX if that matters.

Beitrag von „Aluveitie“ vom 24. August 2022, 06:37

Ab Monterey 12.3 wird auf AMD die AppleMCEReporterDisabler.kext noch benötigt, ansonsten passt das mit der neuesten OC Version. Aber wie gesagt, Monterey und Ventura laufen auf MSI 500 Boards nicht ohne grosse Probleme.

Bezüglich der GPU kannst du z.B. bei Ebay Kleinanzeigen schauen, da gibt es ab und zu Leute die eine AMD Karte gegen Nvidia tauschen wollen

Beitrag von „Enaske“ vom 24. August 2022, 07:29

Kannst du den zufällig die großen Probleme nennen? Also wo es ungefähr scheitert? Gefühlt scheint das ja immer nur bei 550igern zu sein und nicht nem 570er

Beitrag von „Aluveitie“ vom 24. August 2022, 08:27

Wie fabiosun schon gesagt hat:

Zitat

If you will try to update to Monterey or Ventura you will loose PCH maintained hardware (ie some M2 slot, some PCIEX and sata) and the best result it will be asystem hang after few verbose lines)

MSI hat da was kaputt gemacht beim [BIOS Update](#) welches Zen 3 Support hinzugefügt hat. Alle MSI 500 Boards (X570 und B550, A520) sind davon betroffen.

Beitrag von „fabiosun“ vom 24. August 2022, 08:28

How I said before msi x570 fails on acpi

Recent discover have found some problem on chipset device maintained

Like sata or nvme


You have some chances if you use nvme on slot maintained from cpu as you cane see in photo I have posted of your motherboard manual

If it will work it will be very limited experience

Beitrag von „Enaske“ vom 24. August 2022, 08:31

[fabiosun](#)

Do you know by chance, with what [BIOS Update](#) this issued started? I believe I didn't updated in a while, because MSI keeps pushing BIOS Updates over and over again.

PS: Thanks for all your help Fabiosun 

Just waiting for my GPU now. Is there any way to see if SSDT stuff is required? SSDT Stuff are like tweaks correct?

PS: Is there any way to see power consumption on the Mac? To see if the Power States work correctly?

I got some Kext running, that allows AMD CPU to set power states and reporting back to software like iStats. (Works fine so far)

Beitrag von „fabiosun“ vom 24. August 2022, 08:55

It is not well defined when and why this problem happens

Usually people with this problem use first release of their motherboard bios

For you it is not possible

But a user with a MSI x570 carbon gaming Wi-Fi was able to have monterey and Ventura working well

He has lost a couple of m2 slots but system is working well

That motherboard has few bios because is recent and it has not bios which support only 3xxx cpu

about ssdt

If you bought a 6900xt you have to check if its device id is supported by OS X

If not you need ssdt for it

You need also of a ssdt for usb power and few others

However your system starts and works also with 0 ssdt

When you change your gpu if you have output problem with it Disable weg of use pikera boot arg

Personally I do not use whatevergreen kext

some users with x570 have the need to map their internal usb to have sleep and bt working

about power management

Amd is lucky

All is set in our motherboard bios

To check use amd power gadget tools made by trullyspinach

I use only a kext for it and it is a free app (imho best app for us)

Beitrag von „Enaske“ vom 24. August 2022, 09:01

The question really is, if there is any benefit going for Monterey?

Loosing M2 SSD wouldn't matter at all, since all my drives are NTFS, which mac can't use anyway. (I can read the drives, but that's about it)

The only issue I encountered so far is, that my CPU keeps running at high speed and not taking lower power steps.

I just installed AMD Power Gadget to see the CPU Speed. It is constantly running at 4,4 GHZ (So pretty much boost clock at ~ 90 Watt usage)

So SSDTs aren't really required, if I not plan to use Sleep? (tbh. I never used sleep at any PC)
I haven't tested Bluetooth yet, but Wi-Fi is working fine, same with Audio etc.

Beitrag von „fabiosun“ vom 24. August 2022, 09:06

If you see only higher cpu step probably you have to set stuff in your bios

Check PBO section

Also you can set ssdt-plug to have a more compliance mac pm

If you want to charge an iPad with some of your usb you may need of ssdt-usbx to set correct power for them

Problem of higher frequency could be also related to your not supported gpu and maybe for initial system indexing

If you can monitor wattage and temps and do not over clock your system till when you are sure if all its functionality

Beitrag von „Enaske“ vom 24. August 2022, 09:20

Hey,

I just checked out the Tool and I saw, you can enable Low Power States.

It keeps running quite low now. (Roughly 50-60 Watt, I guess that's fine)

have to wait and see, how it performs once I got the GPU and everything.

I just googled about ssdt-plugin. It seems to be required on Intel CPUs. I guess the AMD Kexts doing a great job. I mean you can even put it to the fixed 2200 to keep him run in low power mode if anything.

But the automatic switching seems to be fine so far.

Beitrag von „fabiosun“ vom 24. August 2022, 10:51

[Zitat von Enaske](#)

I just googled about ssdt-plugin. It seems to be required on Intel CPUs.

Said before (only useful to be real Mac like) see blu box in attached picture



[Zitat von Enaske](#)

But the automatic switching seems to be fine so far.

When you have your gpu check device id (green box in picture), if so it is supported without any effort to do

If different id you have to check in your ioreg your GPU acpi path and modify the ssdt that a user posted few posts above here accordly

Beitrag von „GoodBye“ vom 24. August 2022, 11:16

[fabiosun](#)

[Zitat von fabiosun](#)

Said before (only useful to be real Mac like) see blu box in attached picture

Where to get HackCheck ? could not find anything about this App ?

Beitrag von „fabiosun“ vom 24. August 2022, 11:20

msart

Gengik84 create this for his forum (macOS86.it)

you can find it in download area (1 or 2 posts are mandatory to access to download files)

Beitrag von „Enaske“ vom 24. August 2022, 12:10

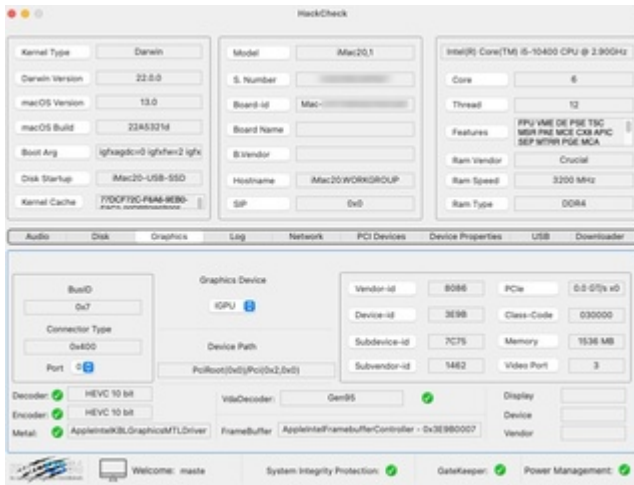
Hey,

so I got that, but my understanding is, that this Power Management isn't recommended for AMD, since it is designed for Intel (at last the Guide Website say so -> AMD users should not use that)

I assume, the AMD Power Tool, is replacing the Power Management, since the AMD Power Tool, just slow the CPU down, if needed. (Like P1,P2,P3)

Everything else is actually shown Green for me ([System Integrity Protection](#) + GateKeeper).

Beitrag von „GoodBye“ vom 24. August 2022, 12:19



[fabiosun](#) thank you 😊

Beitrag von „fabiosun“ vom 24. August 2022, 13:53

[Zitat von Enaske](#)

I assume, the AMD Power Tool, is replacing the Power Management, since the AMD Power Tool, just slow the CPU down, if needed. (Like P1,P2,P3)

I wouldnt use it to control power management

check in your bios

That app is useful to monitor all and also to control your motherboard/cpu Fan speed

About PM I know 😊 it is intel related, but for maniac people to have a purist ioreg like a real Mac it could help (it is a simple rename of how ioreg sees your cpu (I am not expert in this field so take with care what I am writing here)

For [sij](#) and gatekeeper it depends from apps you use you could enable or disable Easily

Beitrag von „Enaske“ vom 24. August 2022, 13:58

Trust me I am not Maniac, the only Maniac thing, I currently try to achieve, is to get my HX1000i Power Supply to be detected by MacOS, but for that I opened a different thread. There is a Homebrew App, detecting these devices, but it seems it cannot find the Device, due to different USB Names.

I guess for now, I just keep the System how it is now, not sure if [SIP](#) or GateKeeper is required or even bad, but for now, everything works.

BTT works (A must-have, trust me!), iStats work etc. pretty much, everything I am also using on my M1 Air.

PS: About Power Management, I checked my BIOS, but there is really no setting about Power Management, except one ErP, which allows adding State 4 and 5, which are needed for sleep Mode I believe.

Besides that, nothing so far, or I'm just running a borked BIOS, since they often release broken ones lol.

Beitrag von „fabiosun“ vom 24. August 2022, 14:23

[Zitat von Enaske](#)

PS: About Power Management, I checked my BIOS, but there is really no setting about Power Management, except one ErP, which allows adding State 4 and 5, which are needed for sleep Mode I believe.

check in cpu advanced section

and this is with an old app



for advanced cpu parameters search here:



Beitrag von „Enaske“ vom 24. August 2022, 18:40

Yeah, still trying to decide, what Custom Design I gonna pick, if I just pick a XFX or so. Since XFX is quite cheap. Sadly I missed the Asus Cashback, otherwise I could have grabbed a 6900XT for 500 \$

Edit: I found an AMD OS X Forum and they had a bunch of ACSI Files + USBMap.kext.

That actually made my Bluetooth to work and it now even shows Power Management as checked. The Forum told, the X570 ACSI's are a general thing, since all Boards work the same. So I guess, I even min/maxed my MacOS now-

Beitrag von „fabiosun“ vom 24. August 2022, 18:48

[Zitat von fabiosun](#)

about ssdt

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When you change your gpu if you have output problem with it Disable weg of use pikera boot arg

Personally I do not use whatevergreen kext

some users with x570 have the need to map their internal usb to have sleep and bt working

Alles anzeigen

[Enaske](#) check what I was saying here about SSDT and Bluetooth)(BT)

Usually is not advisable to use a kext for USB mapping not properly built for owned motherboard

But, if all USB ports are working well with usbe2/3 devices you were been lucky to find a perfect USB kext compatible with your motherboard!

Beitrag von „Enaske“ vom 25. August 2022, 08:30

[fabiosun](#)

from what I read there is, that the mapping is exactly the same across all boards, that is why I was able to use it.

Beitrag von „fabiosun“ vom 25. August 2022, 08:55

[Enaske](#) i do not think so but I am happy if it works for you

Few experiences in this field because usually Amd systems has not the need to map usb port like intel motherboards need

Beitrag von „Enaske“ vom 25. August 2022, 09:25

haha, trust me, I am happy as well, it runs that flawless.

Do you got an Idea, how long new GPU usually take to be supported? I think about waiting for the 7800 XT since its around the Corner.

Beitrag von „kaneske“ vom 25. August 2022, 09:50

Maybe it doesn't, maybe it does. Nobody knows that, Big Navi was also unsure an risky.

It took morgen than 6 Months i remember...

Take the 6xxx and you're good to go.

Apple keeps going it's own way. They've got no need to support 3rd party soon.

Beitrag von „Aluveitie“ vom 25. August 2022, 10:22

In general, Apple only supports GPUs they use and sell themselves. They added RDNA2 options to the Mac Pro as AMD stopped production of Vega.

With the Intel MacPro getting replaced with an Apple Silicon one, there is a huge question mark if Apple will set up a new line of GPUs for the old Intel Mac Pro.

Beitrag von „fabiosun“ vom 25. August 2022, 11:04

[Enaske](#) with the limitation you have with your MSI board (limited in new os you can install for now)

I would buy a 6900xt

and this for the reasons said above by Kaneske and Aluveitie

Beitrag von „Enaske“ vom 25. August 2022, 20:09

Just ordered a XFX 6900 XT MERC. Finger crossed.

Edit: In case I want to try Monterey, can I update mine, or do I have to whipe everything?

Loosing NVMe and Wifi is prob. Not an issue at all, since I not use Wifi nor do I need the NVMe SSD, since they are NTFS and Mac cannot write them?

So technically I would only lose features, I don't need anyway.

PS: There is even a fix for that Issue, but that requires to Install/Flash a bios during install, so not pretty useful.

Beitrag von „Aluveitie“ vom 26. August 2022, 07:18

Monterey will just crash trying to boot on MSI, I don't know what steps you exactly need to do to work around that.

Beitrag von „fabiosun“ vom 26. August 2022, 08:26

Maybe you misunderstood something's I have said [Enaske](#)

Only chance you have is to have a nvme disk on cpu m2 maintained slot and all other devices disconnected(sata disk)

But only few people have had success with new 5xxx cpu motherboard bios compatible

You can try to update your installed Big Sur

99% it will be an unsucesfull try

Here a link of an Italian forum where we have had a bit of success with a newer MSI X570 motherboard

Link:

<https://www.macos86.it/topic/5...apphire-radeon-rx-6600xt/>

about gpu

Great catch

Beitrag von „Enaske“ vom 26. August 2022, 09:59

Hey [fabiosun](#)

I got it now, so only way to run it, with just exactly 1 HDD in place, which is running in the CPU maintained NVMe Slot.

Maybe it's time for a new Motherboard as well 😊 /joke.

I just head Monterey got a huge performance boost, compared to Big Sur, that's pretty much the only reason I was interested in upgrading.

Beitrag von „fabiosun“ vom 26. August 2022, 10:39

Not true

Monterey Big Sur Ventura are pretty similar in performances

But

If you like OS X a different motherboard should be mandatory for a full and good OSX experience

Beitrag von „Enaske“ vom 27. August 2022, 10:50

Hey!

my 6900 XT has arrived and got installed. I remember you told something to remove a Boot flag, now that I got the GPU?

What else is needed now? Some GPU Kexts?

Beitrag von „fabiosun“ vom 27. August 2022, 12:21

You could eliminate whatevergreen kext if you use it

Or use it adding agpdmod=pikera as bootarg

Beitrag von „Enaske“ vom 27. August 2022, 12:34

Edit:

After a few Reboots, it seems it fixed itself. I can now run it fine.

All is left, to copy the boot files to my System, so I can get rid of the USB Stick.