

# Diskussionen zu: OPENCORE MIT X299: ASUS WS X299 SAGE/10G

Beitrag von „glennv“ vom 14. Oktober 2020, 16:09

Hi guys,

New user on this amazing forum that i was pointed to by a member (@[kavenzmann](#)) and friend of mine in similar business. Can read and speak German fine but to safe you from my bad writing , i do it in English.

So i am just starting a new build with this exact motherboard and a 7940x cpu .

Doing some initial attempts to see if i can migrate my old installation (mojave) to his board in the next weeks , but to limit the number of issues i try a clean install first.

Of course i tried to all or nothing approach and just see if my current boot disk from old hack with this new EFI would boot this board and it did, but then it ended up after a while with a black screen and just a mouse pointer . Typically that is pikera but seemed it was already added.

So i went the other way to go as barebone as possible to exclude issues introduced by stuff on my existing boot drive. So clean install

Now i have a probably super simple issue i hope you can help me with.

Created an installer usb for mojave and your EFI. Changed the number of vcpu to 27 in the next and added serial number info. Nothing else.

On the board i have only the cpu, 64g gskill (from official supported list) and a radeon 56 to start with. Plugged in an apple kb and a corded mouse.

Boots fine with mouse and keyboard working in OC menu but when i hit the installer screen ,mouse and kb are dead.

Any ideas where to look ?

remark:

I had another issue while trying to collect opencore logs i mention, just in case its related. When i changed the debut target to 67 (from 0) in the cinfig.plist , OC would not boot and dump with "00:000 00:000 OC: Failed to initialize pointer"

It would pass and boot if disabled pointer support in OC.

Again you guys are amazing. Also just received a flashed Titan ridge in the mail so ready to rumble. Wish i had found this forum years ago when building my other hacks (mostly clover and now several virtual machine opencore builds, but this is my first hardwareopencore build)

p.s. Already patched the 10G ports from ubuntu. Was already used to that with all my other builds that have 10G intel cards

Some extra info:

Seems some issues with the usb port initialisation . Is there anything specific i missed in the bios maybe as this efi is made for this exact board .

```

AppleACPICPU: ProcessorId=255 LocalApicId=255 Disabled
AppleACPICPU: ProcessorId=255 LocalApicId=255 Disabled
AppleACPICPU: ProcessorId=255 LocalApicId=255 Disabled
AppleACPICPU: ProcessorId=255 LocalApicId=255 Disabled
AppleACPICPU: ProcessorId=255 LocalApicId=255 Disabled
AppleACPICPU: ProcessorId=255 LocalApicId=255 Disabled
AppleACPICPU: ProcessorId=255 LocalApicId=255 Disabled
AppleACPICPU: ProcessorId=255 LocalApicId=255 Disabled
calling mpo_policy_init for AMFI
Security policy loaded: Apple Mobile File Integrity (AMFI)
calling mpo_policy_init for Sandbox
Security policy loaded: Seatbelt sandbox policy (Sandbox)
calling mpo_policy_init for Quarantine
Security policy loaded: Quarantine policy (Quarantine)
calling mpo_policy_init for TMSafetyNet
Security policy loaded: Safety net for Time Machine (TMSafetyNet)
Resetting MSR_IA32_TSC_ADJUST to 0 ACPI Warning: IOAPIC: Version 0x28 Vectors 64:87
IOAPIC: Version 0x28 Vectors 96:183
IOAPIC: Version 0x28 Vectors 184:111
IOAPIC: Version 0x28 Vectors 88:95
GPE_L68 has no implementation (28168938/evgpeInit-465)
ACPI: Executed 16 blocks of module-level executable AML code
ACPI: sleep states S3 S4 S5
pci (build 17:03:14 Aug 28 2019), flags 0x28c3888
HID: Legacy shim 2
HID: Legacy shim 2
SMCRTC: start
VirtualSMC vsmc: @ ignoring booter rev info due to forced gen 1
000001.931439 AppleUSBLegacyRoot: AppleUSBLegacyRoot::init: enabling legacy matching
Copyright (c) 1982, 1986, 1989, 1991, 1993
The Regents of the University of California: All rights reserved.
com.apple [ PCI configuration end, bridges 3, devices 25 ]
com.apple [ PCI configuration end, bridges 8, devices 75 ]
000001.988847 XHCI0: AppleUSBXHCI::start: hardware exception occurred
000001.988186 XHCI0: AppleUSBXHCI::start: hardware exception occurred
SMCSuperIO ssio: @ starting up SuperIO sensors
[ PCI configuration begin ]
console relocated to 0xc0000000
[ PCI configuration end, bridges 15, devices 106 ]
[ PCI configuration begin ]
[ PCI configuration end, bridges 17, devices 118 ]
USBMSC Identifier (non-unique): 8181ec19f18b18d72df685993580137189a2315772a89513f59588f3b142195c733080808080808080808080808080808013d
Previous shutdown cause: 5
AssertMacros: (secret == kSMCSuccess), SMCRTC: Cannot read PMU offset from SMC
file: /BuildRoot/Library/Caches/com.apple.xbs/Sources/AppleSMCRTC/AppleSMCRTC-13.228.1/AppleSMCRTC.cpp, line: 539, value: 6
SMCRTC: stop
apfs_module_start:1393: load: com.apple.filesystems.apfs, v945.275.7, apfs-945.275.7, 2019/08/20
Got boot device = IOService:/AppleACPIPlatformExpert/PC0000/AppleACPI/PP/PP/XHC200/XHC2002000000/SS82002200000/ S
jnl: b(1, 2): replay_journal: from: 5829128 to: 6263888 (joffset 0xe5888)
jnl: b(1, 2): journal replay done.
hfs: mounted Install macOS Mojave on device b(1, 2)
imageboot_setup_new: root image url is file:///Install/20MacOS/20Mojave.app/Contents/SharedSupport/BaseSystem.dmg
IOHDIXController: NOTE: administrator is creating non-ejectable disk image
KDIFileBackingStore::_handleStart: initial R/W vn_open returned 30
imageboot_mount_image: root device 0x1000004
hfs: mounted macOS Base System on device b(1, 4)

```

UPDATE:

As i could no get those onboard 4 USB's to survive post OC once OSX starts booting , and my Titan Ridge had just arrived, i shoved it in the board, connected an old TB1 hub to it via TB3>TB1 cable and plugged my keyboard and mouse in there.

That worked immediately so my flashed Titan Ridge already passed the tests. So i could install Mojave and all worked fine in the new clean install.

Would still like to get these damed inbuild 4 USB ports to work and my gut says they should as the unmodified EFI is purposely build for this board incl full USB support.

Checked BIOS but could not find anything in USB section other than enable/disable legacy support (default enabled), or USB storage support.

Any help would be appreciated

UPDATE 2:

Found a solution on other site from a user with the exact same issue.

Added `npci=0x3000` to boot parameters and my 4 usb ports came back alive.

Only remaining issue is now to get my old mojave to boot . New install works 100% , old drive boot from same efi boots eventually into the black screen with movable cursor.

Hope i can figure this one out as well.....