

# OpenCore Sammelthread (Hilfe und Diskussion)

Beitrag von „cobanramo“ vom 9. November 2022, 20:26

## Zitat von kaneske

Deine iGPU muss im BIOS aber aus, 11th Gen GPU geht nicht mit Z590 Board.

Korrekt, Auf einem RocketLake Board kann man beide CPU Generationen betreiben aber da es kein Rocketake iGPU Treiber gibt muss man den deaktivieren. Man kann ihn zwar überreden ein Bild auszugeben aber nada zu Hardwarebeschleunigung.

7.5 Emulate Properties

1. **SpecIDData**  
Type: `uint32_t`, 16 bytes  
Package: `16` hex  
Description: Sequence of RAX, RBX, RCX, RDX values to replace CPUID (1) call in XNU kernel.  
This property primarily meets three requirements:

- Enabling support for an unsupported CPU model (e.g. Intel Pentium).
- Enabling support for a CPU model not yet supported by a specific version of macOS (typically old versions).
- Enabling XCPM support for an unsupported CPU variant.

Rule 1: It may also be the case that the CPU model is supported but there is no power management supported (e.g. virtual machines). In this case, `WhatPanel` and `WhatPanel2` can be set to restrict CPU virtualization and dummy power management patches to the particular macOS kernel version.

Rule 2: Only the value of RAX, which represents the full CPUID, typically needs to be accounted for and remaining bytes should be left as zeros. The byte order is Little Endian. For example, `00 00 00 00` stands for CPUID 00000000 (RAX).

Rule 3: For XCPM support it is recommended to use the following combinations. Be aware that one is required to set the correct frequency vector matching the installed CPU.

- Haswell-E (0x0000002E) to Haswell-E (0x0000002E)  
SpecIDData: `00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00`  
SpecIDData: `FF FF FF FF 00 00 00 00 00 00 00 00 00 00 00 00`
- Broadwell-E (0x0000002F) to Broadwell-E (0x0000002F)  
SpecIDData: `00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00`  
SpecIDData: `FF FF FF FF 00 00 00 00 00 00 00 00 00 00 00 00`
- Comet Lake U12 (0x00000030) to Comet Lake U12 (0x00000030)  
SpecIDData: `00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00`  
SpecIDData: `FF FF FF FF 00 00 00 00 00 00 00 00 00 00 00 00`
- Rocket Lake (0x00000031) to Comet Lake (0x00000031)  
SpecIDData: `00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00`  
SpecIDData: `FF FF FF FF 00 00 00 00 00 00 00 00 00 00 00 00`
- Alder Lake (0x00000032) to Comet Lake (0x00000031)  
SpecIDData: `00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00`  
SpecIDData: `FF FF FF FF 00 00 00 00 00 00 00 00 00 00 00 00`

Rule 4: Be aware that the following configurations are unsupported by XCPM (at least out of the box):

- Consumer Ivy Bridge (0x0000002C) as Apple disabled XCPM for Ivy Bridge and recommends legacy power management for these CPUs. `_xcpm_starting` should manually be patched to enforce XCPM on these CPUs instead of this option.
- Low-end CPUs (e.g. Haswell-E Pentium) as they are not supported properly by macOS. Legacy workarounds for older models can be found in the `SpecIDData` section of `patches/legacy/legacy.plist`.

icOS auch nicht, daher muss man ihn zu CometLake



## Zitat von RealZac

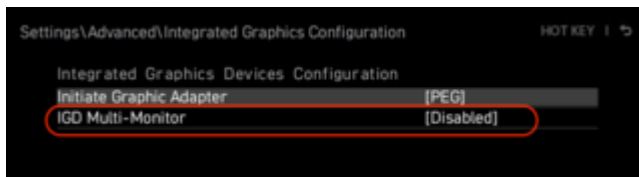
Btw.: Mit dem i5-10400 hat alles bombig funktioniert.

Das wäre dann auch deine lösung wenn du zu RocketLake Cpu gewechselt hast.

Ich persönlich hätte anstatt ein i5-11400 auf ein i9-10900 gesetzt damit ich nichts emulieren muss.

Hat man zwar kein Pci-E 4.0 aber dafür Leistung im Überfluss ohne Kompromisse.

Den iGPU deaktiviert man hier in dem man den Multimonitor betrieb deaktiviert.



Gruss Coban