

## **Erledigt** ASUS k541u 10.12.6 DSDT

**Beitrag von „xShift“ vom 16. März 2018, 13:21**

Hi.

ASUS K541U ::

- \* i3 kaby lake with HD620;
- \* touchpad ELAN 1200 detected in windows as HID mouse;
- \* SATA 100 series;
- \* keyboard with integrated power on/off ACPI key;
- \* GeForce 920MX.

So, I was install 10.12.6 and collect most of needed kexts such as lan, touchpad and sata.

Laptop has working sleep with closed lid and by timer but after sleep touchpad not works. Touchpad right tap using VoodooI2C kext won't work(right mouse button). Battery partial detected but not shown charge percentage but show AC adapter plug in status.

**Battery Information:**

## Charge Information:

The battery's charge is below the critical level.:	No
The battery's charge is below the warning level.:	No
Charge Remaining (mAh):	5136
Fully Charged:	No
Charging:	Yes
Full Charge Capacity (mAh):	0
Battery Installed:	Yes
Amperage (mA):	409
Voltage (mV):	3200

**System Power Settings:**

## AC Power:

System Sleep Timer (Minutes):	10
Disk Sleep Timer (Minutes):	0
Display Sleep Timer (Minutes):	10
Wake on LAN:	Yes
Current Power Source:	Yes
Display Sleep Uses Dim:	Yes
GPUSwitch:	2
Hibernate Mode:	3
PrioritizeNetworkReachabilityOverSleep:	0

## Battery Power:

System Sleep Timer (Minutes):	10
Disk Sleep Timer (Minutes):	10
Display Sleep Timer (Minutes):	2
Display Sleep Uses Dim:	Yes
GPUSwitch:	2
Hibernate Mode:	3
Reduce Brightness:	Yes

**Hardware Configuration:**

UPS Installed: No

**AC Charger Information:**

Connected:	Yes
ID:	0x0100
Wattage (W):	60
Revision:	0x0000
Family:	0x00ba
Serial Number:	0x00453cbe
Charging:	Yes

Help me please configure DSDT to get 100% working touchpad with sleep and battery status.

Danke

p.s.: sorry for my language because I have no German keyboard.

---

## **Beitrag von „anonymous\_writer“ vom 16. März 2018, 21:22**

Hello xShift,

Test this efi folder. I have done complete rework. Please give feedback what works and what not.

Have just seen that you work with Sierra,  
Why? High Sierra is for Kaby Lake.

---

## **Beitrag von „xShift“ vom 17. März 2018, 01:44**

Good night.

10.12.6 have native kaby lake support to. Not needed to fake it as skylake hd520 that have many bugs in HS ...

So. I test in few variants combining with my EFI.

1). Your EFI : no way logo and pixels trash on screen - graphics 920 MX goes KP with optimus or other problem.

2). If i remove PNLF patch - black screen and HDD noise talks about something loading at 10 minets test. Maby it works.

p.s.: I have to fix battery with removing rename BIF to XBIF in my config plist( peace of shit - it was works standart patch. I was broke my had in 8 bytes converting manuals).

Why you use AppleALC? It to difficult to patch. I'd like VoodooHDA because it simple to use. Better sound with ALC?

My system have only Realtek devices. Broadcom not helpful and WIFI need to be replaced. I cant replace now because need to offer it from outland and wait long time.

Thanks for the help.

Now I need only patch for touchpad can awake and sound can awake(wont work after sleep). Other hardware works.

I was try to disable NVIDIA but have to lose. HS window server can't start with dual GPU and I install Sierra 10.12.6

p.s.: using kexts from your EFI and PNLF patch merged in my EFI I was fix brightness keys. So. Now we have two problems: not working awake of touchpad(I think we need HID kext) and not working awake of sound card, + not alive Nvidia thats wants to be disabled. Can you please check my patched DSDT to fix it if you can and you have a time? All other hardware works fine. Danke

p.s.s: 80% working EFI attached

---

### **Beitrag von „anonymous\_writer“ vom 17. März 2018, 08:26**

With Sierra for sure you have no native support for Kaby Lake. For example, drivers like AppleIntelKBLGraphicsFramebuffer for the HD-620 are missing. I can see in your EFI that you have to fake a lot to got all work.

On my Laptop with Kaby Lake High Sierra works perfekt.

But no problem we can stay on Sierra.

Audio Driver AppleALC always worked better for me than VoodooHDA. All what you need is right Audio Inject and your own created CodecCommander.kext according to your hardware if you have problems after sleep.

But we should do one problem after the other. Therefore we will start with the trackpad. VoodooI2C.kext 1.0.4 as you use have a sleep problem. There is a solution to that, but it is better to use the new Kext 2.0.1. This kext do not have this problem and function is also better on this kext. The only reason why I do not use it is high frequency on my CPU. But, this rarely happens.

In order to get to work new driver you need GPIO Pinning in your DSDT.

Therefore, before we start two points.

In your last EFI folder attached, where does the DSDT come from and do you have a list of the used patches?

Please install the "IORegistryExplorer" and post the output of this program as file. Use for this the two V2.0.1 attached kext's.

---

### **Beitrag von „xShift“ vom 17. März 2018, 09:22**

Yeah. With 2.0.1 kexts works right tap and touchpad can awake normally. After deleting codec commander steel no sound when system awake.

Find a power bug. When charge level around 50-55% when plugged AC adapter in few seconds battery status indicate 99% charge but hardware led steel lighting.

>> In your last EFI folder attached, where does the DSDT come from and do you have a list of the used patches?

If I remember right it's

Seems it all patches I was apply. + Your PNLF.

ioReg attached.

All facts look like true about sound but I'd like Voodoo.

p.s. there are only two problems. sound awake and disabling nvidia ... can you please apply this patches to my latest DSDT attached above without x prefixes renaming methods please?

p.s.s: Sound fixed updating VoodooHDA to 2.9.1 version. There are one problem to install High Sierra :: need to disable Nvidia :))))))))))

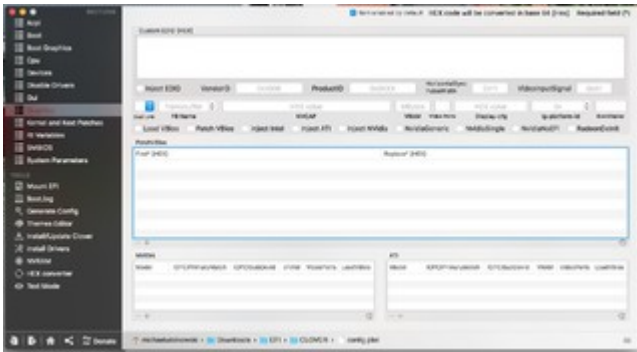
Yo.Yo.Yo. Danke, Danke, Danke!

---

**Beitrag von „anonymous\_writer“ vom 17. März 2018, 12:38**

Please test if this DSDT disable Nvidia.

Additionally variant 2. For this delete everything as in the picture on Graphics.



---

### Beitrag von „xShift“ vom 21. März 2018, 09:59

Not disabled. Brightness keys not works and battery status not works. 😞

---

### Beitrag von „derHackfan“ vom 21. März 2018, 15:52

@xShift Please no quotes from the whole post.



---

### Beitrag von „carlosppt2003“ vom 28. Mai 2020, 11:22

Could you pass the EFI with everything already functional?