

# Grafikauflösungsproblem unter Lenovo M720Q

Beitrag von „GoodBye“ vom 13. Oktober 2022, 14:46

Wenn alles nicht hilft gibt es ja noch:

## SwitchResX

[krutojmax](#)

- For UHD 630 you likely do not need to fake the device-id as it is already 0x3E9B. If it's anything else, you may use device-id=9B3E0000:
  - You can check under Device Manager in Windows by bring up the iGPU, opening properties, selecting details, and clicking Hardware IDs.

Key	Type	Value
device-id	Data	<code>&lt;span style="color:#B22222;"&gt;9B3E0000&lt;/span&gt;</code>

device id

0x3E92 Intel

923E0000

hast du drin

AAPL,ig-platform-id	Type	Comment
<code>&lt;span style="color:#B22222;"&gt;0900A53E&lt;/span&gt;</code>	Laptop	Recommended value for UHD 630

platform id

00009B3E

oder

07009B3E

hast du ja aktuell drin

i5 10400

ich habe mit dem 10th gen. Desktop

device id (Recommended und funktioniert)

9B3E0000

platform id

07009B3E

INTEL:

0x9BC8 / 0x9BC5

C89B0000 / C59B0000

### **PciRoot(0x0)/Pci(0x2,0x0)**

This section is set up via WhateverGreen's [Framebuffer Patching Guide](#) ([opens new window](#)) and is used for setting important iGPU properties.

The config.plist doesn't already have a section for this so you will have to create it manually.

When setting up your iGPU, the table below should help with finding the right values to set. Here is an explanation of some values:

- **AAPL,ig-platform-id**
  - This is used internally for setting up the iGPU
- **Type**
  - Whether the entry is recommended for laptops (ie. with built-in displays) or for Intel NUCs (ie. stand alone boxes)

Generally follow these steps when setting up your iGPU properties. Follow the configuration notes below the table if they say anything different:

1. When initially setting up your config.plist, only set AAPL,ig-platform-id - this is normally enough

- If you boot and you get no graphics acceleration (7MB VRAM and solid background for dock), then you likely need to try different `AAPL,ig-platform-id` values, add `stolenmem` patches, or even add a `device-id` property.

<code>AAPL,ig-platform-id</code>	Type	Comment
<code>0900A53E</code>	Laptop	Recommended value for UHD 630
<code>00009B3E</code>	Laptop	Recommended value for UHD 620
<code>07009B3E</code>	NUC	Recommended value for UHD 620/630
<code>0000A53E</code>	NUC	Recommended value for UHD 655

### #Configuration Notes

- For UHD 630 you likely do not need to fake the `device-id` as it is already `0x3E9B`. If it's anything else, you may use `device-id=9B3E0000`:
  - You can check under Device Manager in Windows by bring up the iGPU, opening properties, selecting details, and clicking Hardware IDs.

#### Key Type Value

`device-id` Data `9B3E0000`

- A UHD 620 in a Coffee Lake CPU **requires** `device-id=9B3E0000`:

#### Key Type Value

`device-id` Data `9B3E0000`

- In some cases where you cannot set the [DVMT-prealloc](#) of these cards to 64MB higher in your UEFI Setup, you may get a kernel panic. Usually they're configured for 32MB of [DVMT-prealloc](#), in that case these values are added to your iGPU Properties

Key	Type	Value
<code>framebuffer-patch-enable</code>	Data	<code>01000000</code>
<code>framebuffer-stolenmem</code>	Data	<code>00003001</code>
<code>framebuffer-fbmem</code>	Data	<code>00009000</code>