

**Ryzen 5700G iGPU PCI Passthrough** ..... 3

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# Ryzen 5700G iGPU PCI Passthrough

## BIOS

- SVM Mode : Enabled
- Primary Video Adaptor : PEG (External First)
- IOMMU : Enabled
- iGPU Configuration : UMA\_AUTO
- CSM : Enabled

가 .

```
amd_iommu=on iommu=pt video=efifb:off
pcie_acs_override=downstream,multifunction amdgpu.exp_hw_support=1
modprobe.blacklist=amdgpu,snd_hda_intel,ccp
```

RHEL 9

가 .

```
$ grubby --args="amd_iommu=on iommu=pt video=efifb:off
pcie_acs_override=downstream,multifunction amdgpu.exp_hw_support=1
modprobe.blacklist=amdgpu,snd_hda_intel,ccp" --update-kernel ALL

$ echo "blacklist amdgpu" >> /etc/modprobe.d/pve-blacklist.conf
$ echo "blacklist snd_hda_intel" >> /etc/modprobe.d/pve-blacklist.conf
$ echo "blacklist ccp" >> /etc/modprobe.d/pve-blacklist.conf
```

가 . lspci -  
nnD 가 .

```
[root@hev ~]# lspci -nnD
...
0000:08:00.0 VGA compatible controller [0300]: Advanced Micro Devices, Inc.
[AMD/ATI] Cezanne [Radeon Vega Series / Radeon Vega Mobile Series]
[1002:1638] (rev c8)
0000:08:00.1 Audio device [0403]: Advanced Micro Devices, Inc. [AMD/ATI]
Renoir Radeon High Definition Audio Controller [1002:1637]
...

```

```
Ryzen 5700G iGPU ID 0000:08:00.0 ID 1002:1638
. 0000:08:00.1 iGPU (
```

HDMI DP ).

OS

```
[root@hev ~]# driverctl set-override 0000:08:00.0 vfio-pci
[root@hev ~]# driverctl set-override 0000:08:00.1 vfio-pci

[root@hev ~]# driverctl list-overrides
0000:08:00.0 vfio-pci
0000:08:00.1 vfio-pci
```

. SSH WEB

## 가

가 5700G iGPU firmware가

dmesg 가

```
[ 2.448467] [drm] amdgpu kernel modesetting enabled.
[ 2.448554] amdgpu: CRAT table not found
[ 2.448556] amdgpu: Virtual CRAT table created for CPU
[ 2.448563] amdgpu: Topology: Add CPU node
[ 2.457375] [drm:amdgpu_pci_probe [amdgpu]] *ERROR* amdgpu requires
firmware installed
[ 2.457547] amdgpu: See https://wiki.debian.org/Firmware for information
about missing firmware
```

amd64-microcode

```
root@plex:~# apt install amd64-microcode
```

- <https://gist.github.com/matt22207/bb1ba1811a08a715e32f106450b0418a>
- <https://www.bilibili.com/video/BV11d4y1G7Nk/>

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