

Dell G5

- https://wiki.debian.org/NVIDIA%20Optimus#Using_nvidia-xrun
- <https://wiki.debian.org/Bumblebee#Installation>
- <https://wiki.archlinux.org/title/bumblebee>
- https://wiki.archlinux.org/title/NVIDIA_Optimus

/etc/default/grub

```
GRUB_CMDLINE_LINUX="nvidia-drm.modeset=1"
```

/etc/modules

```
nvidia
nvidia_drm
nvidia_modeset
nvidia_uvm
```

/etc/modprobe.d/nvidia.conf

```
install nvidia modprobe -i nvidia-current $CMDLINE_OPTS

install nvidia-modeset modprobe nvidia ; modprobe -i nvidia-current-modeset
$CMDLINE_OPTS

install nvidia-drm modprobe nvidia-modeset ; modprobe -i nvidia-current-drm
$CMDLINE_OPTS

install nvidia-uvm modprobe nvidia ; modprobe -i nvidia-current-uvm
$CMDLINE_OPTS

install nvidia-peermem modprobe nvidia ; modprobe -i nvidia-current-peermem
$CMDLINE_OPTS

# unloading needs the internal names (i.e. upstream's names, not our renamed
files)

remove nvidia modprobe -r -i nvidia-drm nvidia-modeset nvidia-peermem
nvidia-uvm nvidia

remove nvidia-modeset modprobe -r -i nvidia-drm nvidia-modeset

alias char-major-195* nvidia

# These aliases are defined in *all* nvidia modules.
# Duplicating them here sets higher precedence and ensures the selected
# module gets loaded instead of a random first match if more than one
# version is installed. See #798207.
```

```
alias pci:v000010DEd000000E00sv*sd*bc04sc80i00*      nvidia
alias pci:v000010DEd000000AA3sv*sd*bc0Bsc40i00*      nvidia
alias pci:v000010DEd*sv*sd*bc03sc02i00*             nvidia
alias pci:v000010DEd*sv*sd*bc03sc00i00*             nvidia

options nvidia-drm modeset=1
```

nvidia-xconfig -prime (mel by neco vygenerovatm kdyztak upravit) /etc/X11/xorg.conf

```
# nvidia-xconfig: X configuration file generated by nvidia-xconfig
# nvidia-xconfig:  version 470.103.01
```

Section "ServerLayout"

```
Identifier      "Layout0"
Screen          0  "Screen0"
Inactive        "InactiveDevice1"
InputDevice     "Keyboard0" "CoreKeyboard"
InputDevice     "Mouse0" "CorePointer"
```

EndSection

Section "Files"

EndSection

Section "InputDevice"

```
# generated from default
Identifier      "Mouse0"
Driver          "mouse"
Option          "Protocol" "auto"
Option          "Device"   "/dev/psaux"
Option          "Emulate3Buttons" "no"
Option          "ZAxisMapping" "4 5"
```

EndSection

Section "InputDevice"

```
# generated from default
Identifier      "Keyboard0"
Driver          "kbd"
```

EndSection

Section "Monitor"

```
Identifier      "Monitor0"
VendorName      "Unknown"
ModelName       "Unknown"
Option          "DPMS"
```

EndSection

Section "Device"

```
Identifier      "Device0"
Driver          "nvidia"
VendorName      "NVIDIA Corporation"
BusID           "PCI:1:0:0"
```

EndSection

Section "Device"

Identifier "InactiveDevice1"

Driver "modesetting"

VendorName "Unknown"

EndSection

Section "Screen"

Identifier "Screen0"

Device "Device0"

Monitor "Monitor0"

DefaultDepth 24

Option "AllowEmptyInitialConfiguration" "True"

SubSection "Display"

Depth 24

EndSubSection

EndSection

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