# Misc AMDGPU driver information

## **GPU Product Information**

Information about the GPU can be obtained on certain cards via sysfs

#### product name

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\gpu\amdgpu\((linux-master)\) (Documentation) (gpu) (amdgpu) driver-misc.rst, line 14)

Unknown directive type "kernel-doc".

.. kernel-doc:: drivers/gpu/drm/amd/amdgpu/amdgpu\_device.c
:doc: product name

#### product\_number

 $System\,Message: ERROR/3 \ (\c : \c sample-onboarding-resources \end{continuous} and generation \c sample-onboarding-resources \end{continuous} (pu) \ (amdgpu) \ (pu) \$ 

Unknown directive type "kernel-doc".

.. kernel-doc:: drivers/gpu/drm/amd/amdgpu/amdgpu\_device.c
:doc: product name

#### serial number

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\gpu\amdgpu\((linux-master)\) (Documentation) (gpu) (amdgpu) driver-misc.rst, line 26)

Unknown directive type "kernel-doc".

.. kernel-doc:: drivers/gpu/drm/amd/amdgpu/amdgpu\_device.c
:doc: serial\_number

#### unique id

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\gpu\amdgpu\((linux-master)\) (Documentation) (gpu) (amdgpu) driver-misc.rst, line 32)

Unknown directive type "kernel-doc".

.. kernel-doc:: drivers/gpu/drm/amd/pm/amdgpu\_pm.c
:doc: unique id

## **GPU Memory Usage Information**

Various memory accounting can be accessed via sysfs

## mem info vram total

 $System\,Message: ERROR/3 \ (\c : \c sample-onboarding-resources \end{continu} in the continual master \c sample-onboarding-resources \end{continual} in the continual sample-onboarding-resources \end{continual} in th$ 

Unknown directive type "kernel-doc".

.. kernel-doc:: drivers/gpu/drm/amd/amdgpu/amdgpu vram mgr.c

```
:doc: mem info vram total
```

#### mem info vram used

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\gpu\amdgpu\((linux-master)\) (Documentation) (gpu) (amdgpu) driver-misc.rst, line 49)

Unknown directive type "kernel-doc".

.. kernel-doc:: drivers/gpu/drm/amd/amdgpu/amdgpu\_vram\_mgr.c
:doc: mem\_info\_vram\_used

#### mem\_info\_vis\_vram\_total

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\gpu\amdgpu\((linux-master)\) (Documentation) (gpu) (amdgpu) driver-misc.rst, line 55)

Unknown directive type "kernel-doc".

.. kernel-doc:: drivers/gpu/drm/amd/amdgpu/amdgpu\_vram\_mgr.c
:doc: mem\_info\_vis\_vram\_total

#### mem\_info\_vis\_vram\_used

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\gpu\amdgpu\((linux-master)\) (Documentation) (gpu) (amdgpu) driver-misc.rst, line 61)

Unknown directive type "kernel-doc".

.. kernel-doc:: drivers/gpu/drm/amd/amdgpu/amdgpu\_vram\_mgr.c
:doc: mem info vis vram used

## mem\_info\_gtt\_total

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\gpu\amdgpu\((linux-master)\) (Documentation) (gpu) (amdgpu) driver-misc.rst, line 67)

Unknown directive type "kernel-doc".

.. kernel-doc:: drivers/gpu/drm/amd/amdgpu/amdgpu\_gtt\_mgr.c
:doc: mem\_info\_gtt\_total

#### mem info gtt used

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\gpu\amdgpu\((linux-master)\) (Documentation) (gpu) (amdgpu) driver-misc.rst, line 73)

Unknown directive type "kernel-doc".

.. kernel-doc:: drivers/gpu/drm/amd/amdgpu/amdgpu\_gtt\_mgr.c
:doc: mem info gtt used

# **PCIe Accounting Information**

#### pcie bw

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\gpu\amdgpu\((linux-master)\) (Documentation) (gpu) (amdgpu) driver-

```
misc.rst, line 82)
```

Unknown directive type "kernel-doc".

.. kernel-doc:: drivers/gpu/drm/amd/pm/amdgpu\_pm.c
:doc: pcie\_bw

#### pcie\_replay\_count

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\gpu\amdgpu\((linux-master)\) (Documentation) (gpu) (amdgpu) driver-misc.rst, line 88)

Unknown directive type "kernel-doc".

.. kernel-doc:: drivers/gpu/drm/amd/amdgpu/amdgpu\_device.c
:doc: pcie\_replay\_count

#### **GPU SmartShift Information**

GPU SmartShift information via sysfs

## smartshift\_apu\_power

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\gpu\amdgpu\((linux-master)\) (Documentation) (gpu) (amdgpu) driver-misc.rst, line 99)

Unknown directive type "kernel-doc".

.. kernel-doc:: drivers/gpu/drm/amd/pm/amdgpu\_pm.c
:doc: smartshift\_apu\_power

## smartshift\_dgpu\_power

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\gpu\amdgpu\((linux-master)\) (Documentation) (gpu) (amdgpu) driver-misc.rst, line 105)

Unknown directive type "kernel-doc".

.. kernel-doc:: drivers/gpu/drm/amd/pm/amdgpu\_pm.c
:doc: smartshift\_dgpu\_power

## smartshift\_bias

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\gpu\amdgpu\((linux-master)\) (Documentation) (gpu) (amdgpu) driver-misc.rst, line 111)

Unknown directive type "kernel-doc".

.. kernel-doc:: drivers/gpu/drm/amd/pm/amdgpu\_pm.c
:doc: smartshift\_bias