

# GPU Power/Thermal Controls and Monitoring

## HWMON Interfaces

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\gpu\amdgpu\linux-master [Documentation] [gpu] [amdgpu] thermal.rst, line 8)**

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```
.. kernel-doc:: drivers/gpu/drm/amd/pm/amdgpu_pm.c
   :doc: hwmon
```

## GPU sysfs Power State Interfaces

GPU power controls are exposed via sysfs files.

### power\_dpm\_state

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\gpu\amdgpu\linux-master [Documentation] [gpu] [amdgpu] thermal.rst, line 19)**

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```
.. kernel-doc:: drivers/gpu/drm/amd/pm/amdgpu_pm.c
   :doc: power_dpm_state
```

### power\_dpm\_force\_performance\_level

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\gpu\amdgpu\linux-master [Documentation] [gpu] [amdgpu] thermal.rst, line 25)**

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```
.. kernel-doc:: drivers/gpu/drm/amd/pm/amdgpu_pm.c
   :doc: power_dpm_force_performance_level
```

### pp\_table

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\gpu\amdgpu\linux-master [Documentation] [gpu] [amdgpu] thermal.rst, line 31)**

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```
.. kernel-doc:: drivers/gpu/drm/amd/pm/amdgpu_pm.c
   :doc: pp_table
```

### pp\_od\_clk\_voltage

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\gpu\amdgpu\linux-master [Documentation] [gpu] [amdgpu] thermal.rst, line 37)**

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```
.. kernel-doc:: drivers/gpu/drm/amd/pm/amdgpu_pm.c
   :doc: pp_od_clk_voltage
```

### pp\_dpm\_\*

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\gpu\amdgpu\ [linux-master] [Documentation] [gpu] [amdgpu] thermal.rst, line 43)**

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```
.. kernel-doc:: drivers/gpu/drm/amd/pm/amdgpu_pm.c
:doc: pp_dpm_sclk pp_dpm_mclk pp_dpm_socclk pp_dpm_fclk pp_dpm_dcefclk pp_dpm_pcie
```

## pp\_power\_profile\_mode

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

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```
.. kernel-doc:: drivers/gpu/drm/amd/pm/amdgpu_pm.c
:doc: pp_power_profile_mode
```

## \*\_busy\_percent

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

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```
.. kernel-doc:: drivers/gpu/drm/amd/pm/amdgpu_pm.c
:doc: gpu_busy_percent
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\gpu\amdgpu\ [linux-master] [Documentation] [gpu] [amdgpu] thermal.rst, line 58)**

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```
.. kernel-doc:: drivers/gpu/drm/amd/pm/amdgpu_pm.c
:doc: mem_busy_percent
```

## gpu\_metrics

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\gpu\amdgpu\ [linux-master] [Documentation] [gpu] [amdgpu] thermal.rst, line 64)**

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```
.. kernel-doc:: drivers/gpu/drm/amd/pm/amdgpu_pm.c
:doc: gpu_metrics
```