

main



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Code

Guy-Marc Aprin Add PNP ID registry s... 2b35bbe · 44 minutes ago

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lsgpu

List GPUs with details, outputs, and connected monitors.

Like `lscpu`, `lsusb`, `lspci` — but for graphics cards.

Features

- **GPU details:** name, driver, PCI address, VRAM
- **NVIDIA stats:** utilization, memory, temperature, power draw (via `nvidia-smi`)
- **Output mapping:** each port mapped to its connected monitor via EDID
- **Monitor identification:** manufacturer, model, serial, diagonal size
- **JSON output** for scripting
- No external Python dependencies, works with Python 3.6+

Installation

```
sudo cp lsgpu.py /usr/local/bin/lsgpu
sudo chmod +x /usr/local/bin/lsgpu
```

Usage

```
lsgpu # Full output
lsgpu --short # Compact one-line-per-GPU
lsgpu --json # JSON output
```

Example output

```
GRAPHICS CARDS
=====

card0: NVIDIA Corporation GA107 [GeForce RTX 30
      Driver: nvidia | VRAM: 6 GB | GPU:0% MEI
      | DP-4: connected ← Iiyama PL2792Q 27"
      | HDMI-A-2: connected ← Iiyama PL2792Q 27"
      | HDMI-A-3: connected ← Iiyama PL2792Q 27"

card1: NVIDIA Corporation AD106 [GeForce RTX 40
      Driver: nvidia | VRAM: 16 GB | GPU:0% MI
      | DP-1: -
      | DP-2: -
      | DP-3: -
      | HDMI-A-1: connected ← Samsung SAMSUNG 32"

card2: Intel Corporation Arrow Lake-S [Intel Gi
      Driver: i915
      | HDMI-A-4: connected ← Iiyama PL2793Q 27"
      | HDMI-A-5: connected ← Samsung SAMSUNG 65"

Total: 3 GPU(s), 6 output(s) connected
```

Requirements

- Python 3.6+
- Linux with `/sys/class/drm`
- `lspci` (from `pciutils`)
- `nvidia-smi` (optional, for NVIDIA stats)

License

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About

List GPUs with NVIDIA/AMD stats, monitor mapping, and real-time sparklines

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