**Flash Ubuntu image onto 32G or larger Sd Card**

* <https://ubuntu.com/download/amd#kria-kv260-kr260>
* Suggested install too: Rufus
  + Balena etcher is unreliable and slower

**Serial Connection**:

* Frequency: 115200
* Moba Xterm recommended

**Setup Steps:**

* Useful documentation:
  + <https://www.hackster.io/vjsubas/pynq-for-kria-kv260-55e419>
* Sync clock
  + Required for some installs
  + $ sudo timedatectl set-ntp on
* Install Xilinx system management snap package
  + $ sudo snap install xlnx-config –classic
* Clone the pynq framework
  + $ git clone <https://github.com/Xilinx/Kria-PYNQ.git>
  + $ cd Kria-PYNQ
  + $ sudo bash install.sh -b KV260

Note: to access root user, you must use sudo -i not su

Somehow these three lines of code are in the DpuOverlay constructor for the image I took from the summer, but not in the new image I made. I checked the package versions and they are identical. It may be a setup step that I missed.

self.iop\_pmod0.mbtype = "Pmod"

self.PMOD0 = self.iop\_pmod0.mb\_info

self.PMODA = self.PMOD0