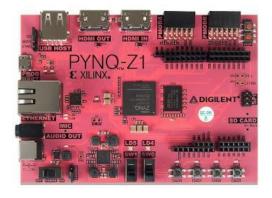
PYNQ-Getting Started:

Agenda

- Configure board
- Connect to the board
- Login in to portal
- Jupyter notebook

Prerequisites for running the labs:

- PYNQ-Z1 board
- PYNQ v2.2 image for the PYNQ-Z1 board
- HDMI cables, ethernet cable, webcam







Download and prepare SD card: http://www.pynq.io/board.html

Download PYNQ Image for Board and load image via win32 diskImager.

Connecting to the board:

- Configure board to boot from SD Card
- Set jumper to power
- Insert SD Card
- Connect USB Cable
- Connect ethernet cable
- Power on



Login in to Jupyter portal:

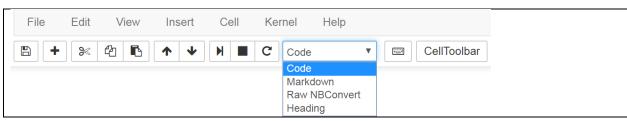
- Open browser
- Browse to: http://10.10.10.###:9090 (IP) or http://pyng:9090
- Password: xilinx



Getting started with Jupyter Notebook

- Jupyter notebook: web application/server
- Create and share documents5(live code, equations, text, results)
- · Writing text with markdown and heading
- Writing and running Python scripts

Jupyter notebook cells:



- code: PYTHON
- Markdown: Comments and notes
- Execute cells to run code
- Output printed after cell



Documents:

Documentation

https://pynq.readthedocs.io

Accessible from

http://www.pynq.io

support

http://www.pynq.io/support

Github

https://github.com/Xilinx/PYNQ