

pynq

System Description

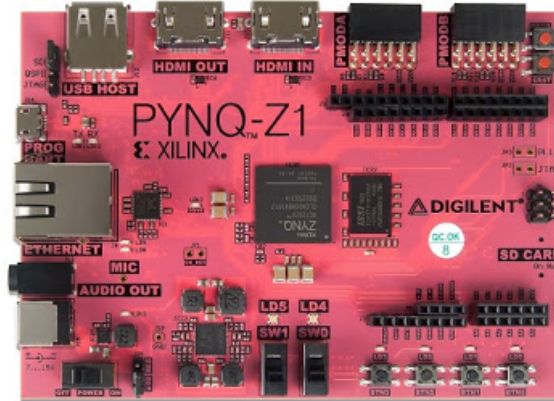
Host name: pynq.ncsa.illinois.edu

Hardware

- **XILINX PYNQ-Z1 board**
 - **Processor:** Dual-Core ARM Cortex-A9
 - **FPGA:** 1.3 M reconfigurable gates
 - **Memory:** 512MB DDR3 / FLASH
 - **Storage:** Micro SD card slot
 - **Video:** HDMI In and HDMI Out
 - **Audio:** Mic in, Line Out
 - **Network:** 10/100/1000 Ethernet
 - **Expansion:** USB Host connected to ARM PS
 - **Interfaces:** 1x Arduino Header, 2x Pmod (49 GPIO)
 - **GPIO:** 16 GPIO (65 in total with Arduino and Pmods)
 - **Other I/O:** 6x User LEDs, 4x Pushbuttons, 2x Switches
 - **Dimensions:** 3.44" x 4.81" (87mm x 122mm)

Software

- Ubuntu
- jupyter <http://pynq.ncsa.illinois.edu:9090>



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