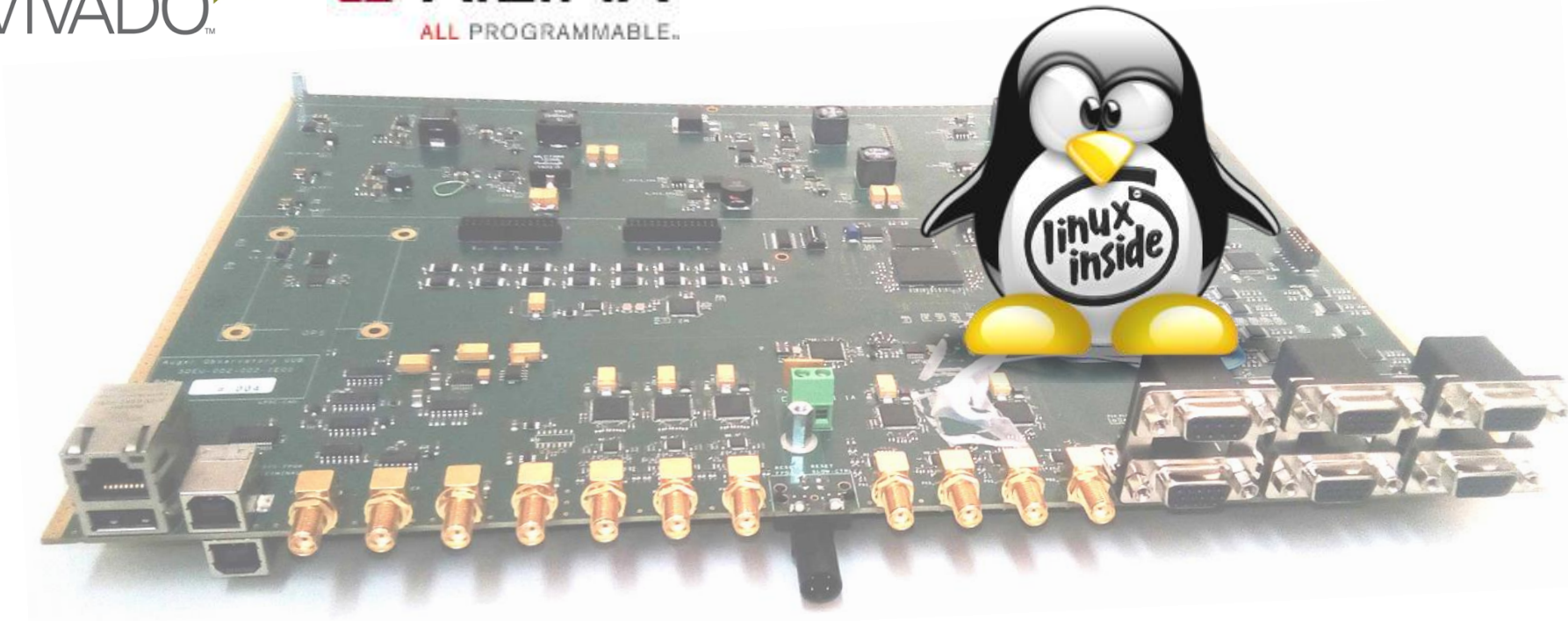


WP1- Documentation

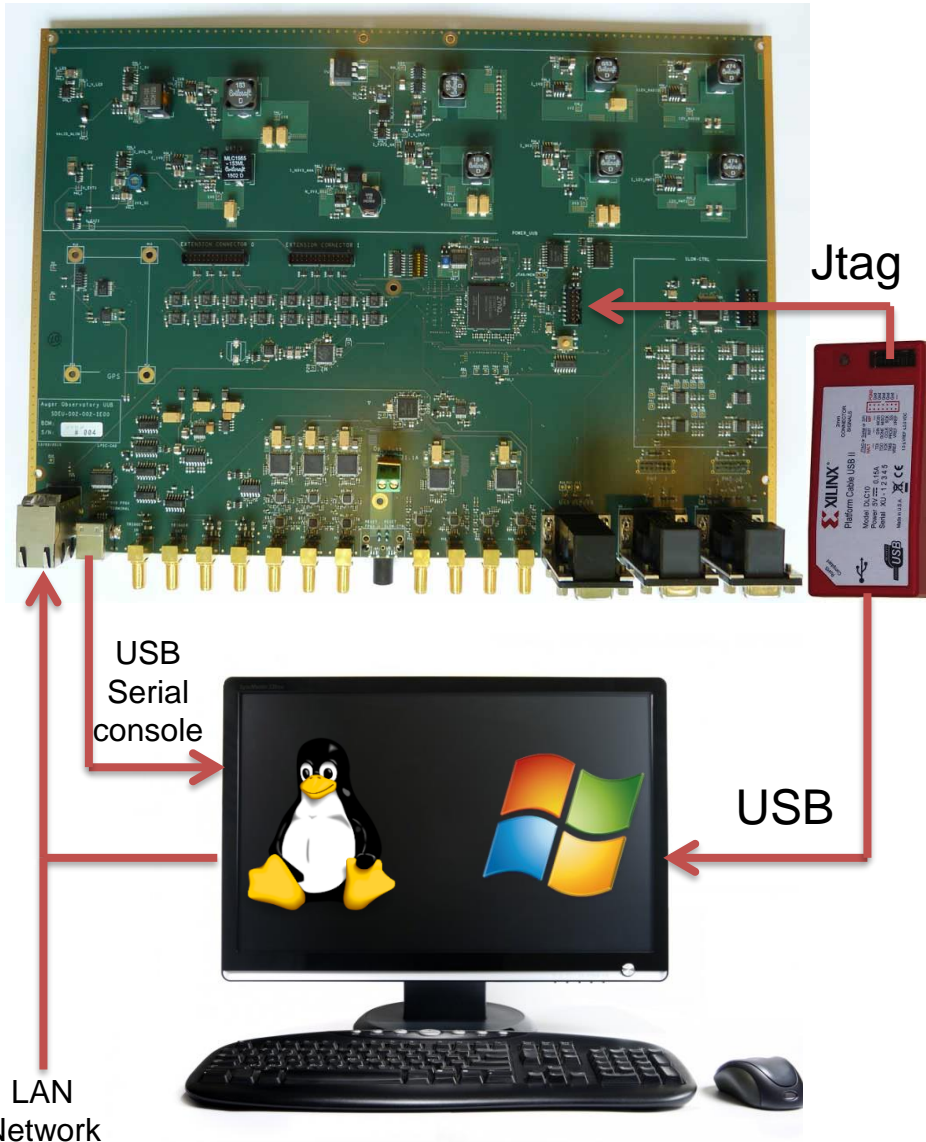
How to flash petalinux image on UUB's QSPI



Zynq 7020



UUB connections to flash memory with BOOT.bin



Download the zip file from:

www.github.com/assiro/uub-integration

uub.bin is the file of entire flash memory to save in QSPI memory.

By SDK is possible to get a tools to flash the memory.

Xilinx Tools menu >> **"Program flash"**.

Select programmer

Select file

Press program button

AFTER BOOT:

Petalinux will start after reset on USB serial console

Login: **root**

Password: **root**

MAD address: **00:0A:35:00:22:01**

Web server on IP number that you can read on booting

To watch real time data on web scope run application

scope -i to the prompt

Application implemented:

uub_init

scope

acquire

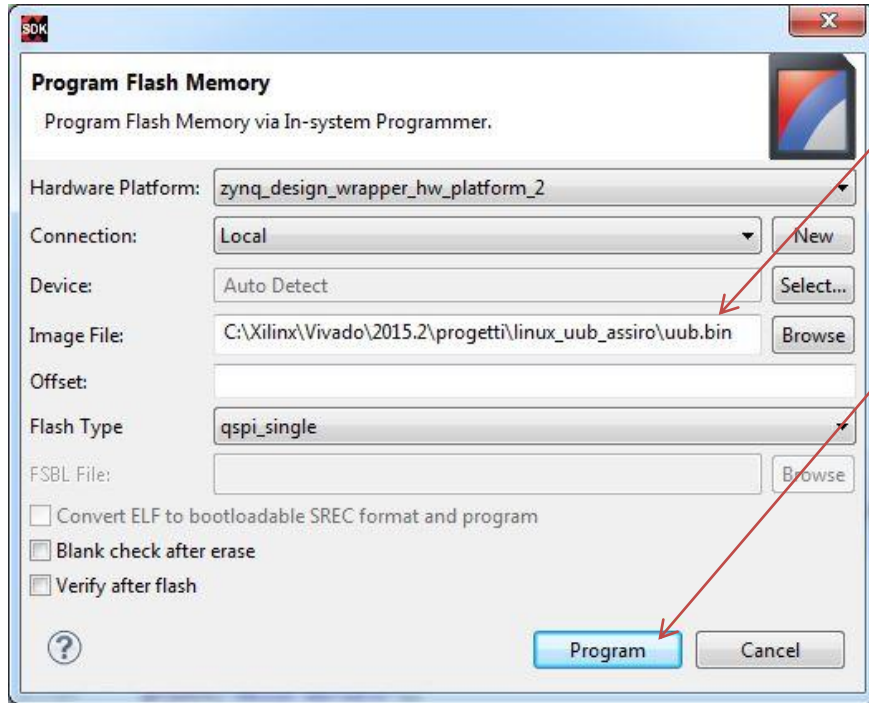
led

devmem

adc

How to flash Boot image in the QSPI memory of UUB

In SDK select from the Xilinx Tools menu "**Program flash**". This window will be displayed.

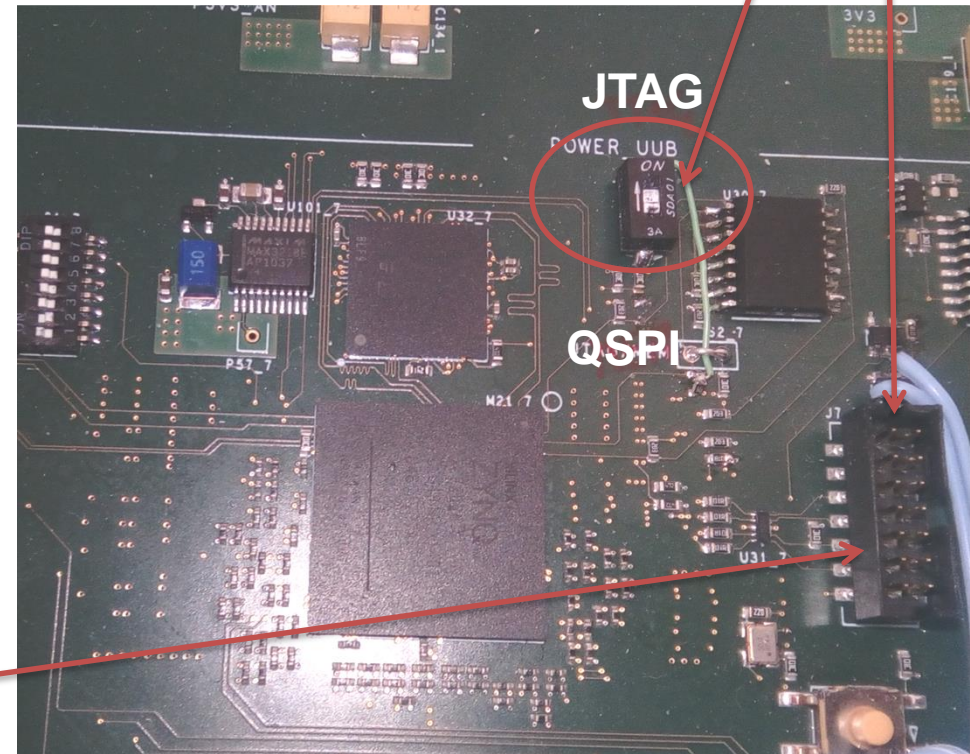


Select the image file generated (uub.bin)

Connect the JTAG programmer to the UUB to the J7 connector

Switch up on JTAG side

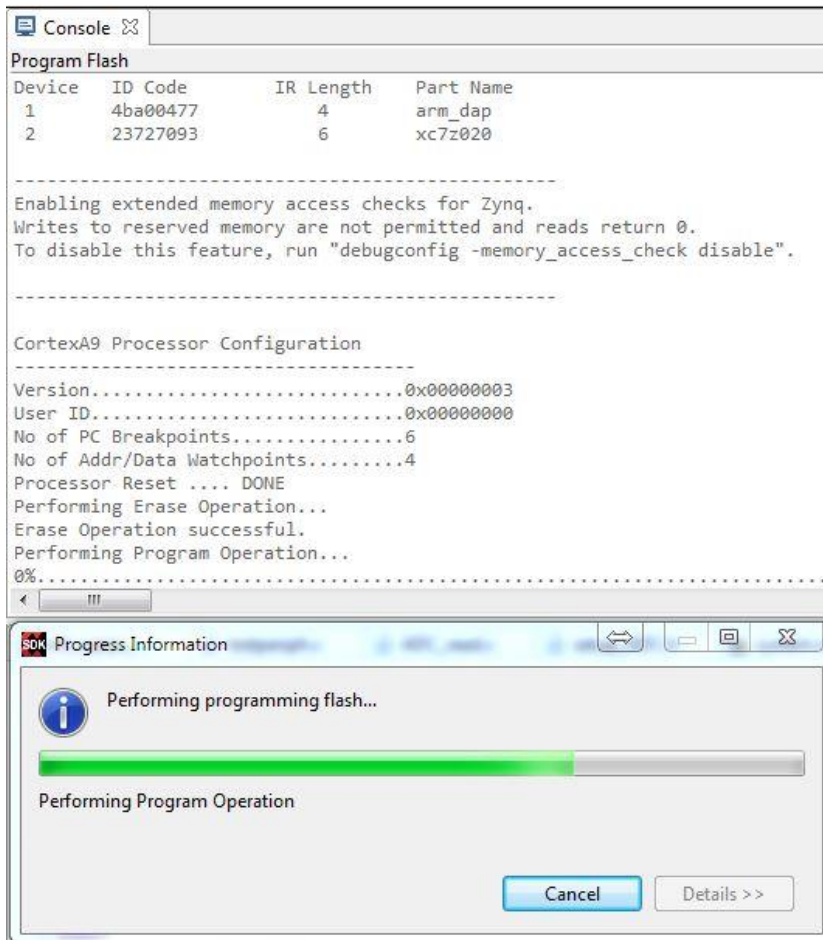
Power on to the UUB (24Volt) and click on Program



DLC10 xilinx platform cable USB JTAG programmer



The process to program the QSPI takes a very long time (about 40 minutes)



When the programming is done place the switch on **QSPI side** and reset the Zynq.

Connect a USB cable to serial console

Petalinux and his application is now running in to the Zynq....

