

WP1- Documentation

How to flash petalinux image on UUB's QSPI

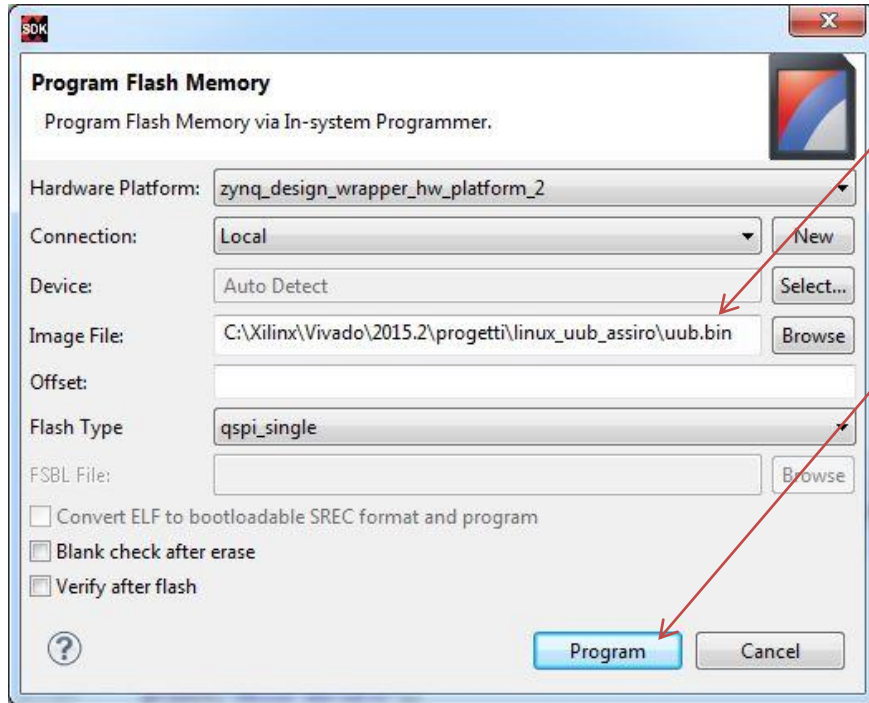


Zynq 7020



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.

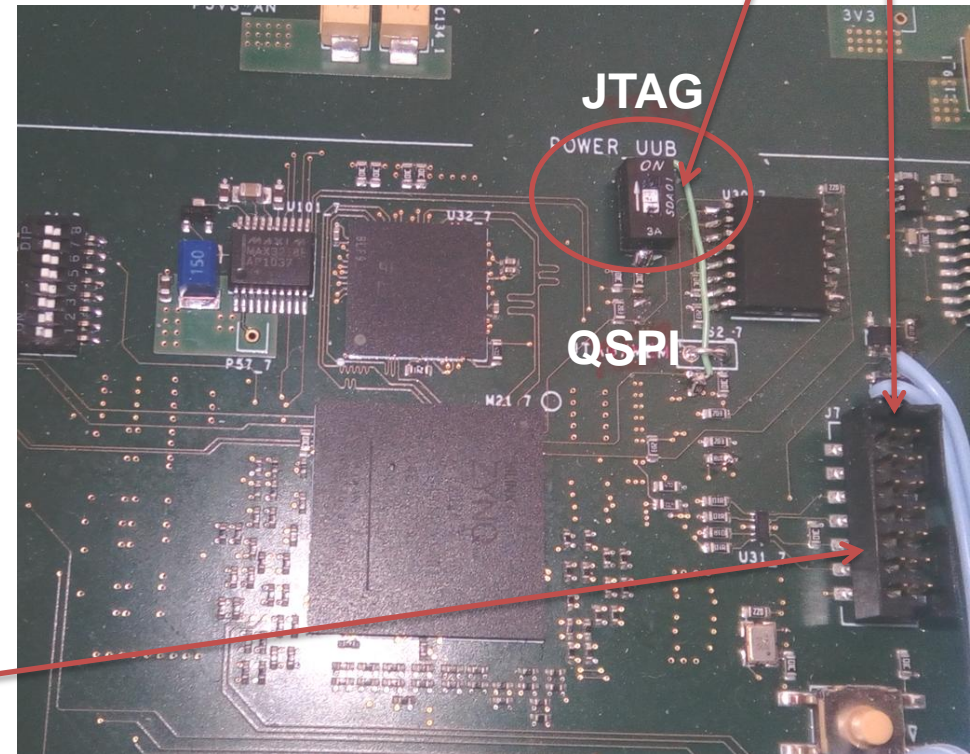


Select the image file generated (BOOT.bin)

Connect the JTAG programmer to the UUB to the J7 connector

Switch up on JTAG side

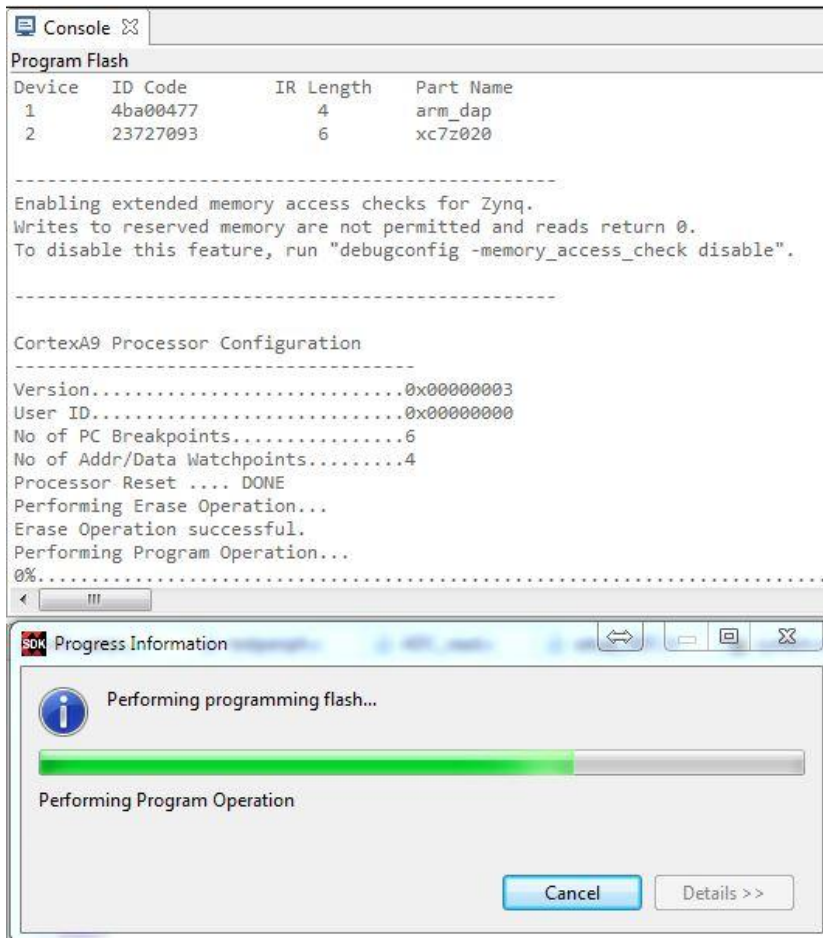
Power on to the UUB (24Volt) and click on Program



DLC10 xilinx platform cable USB JTAG programmer



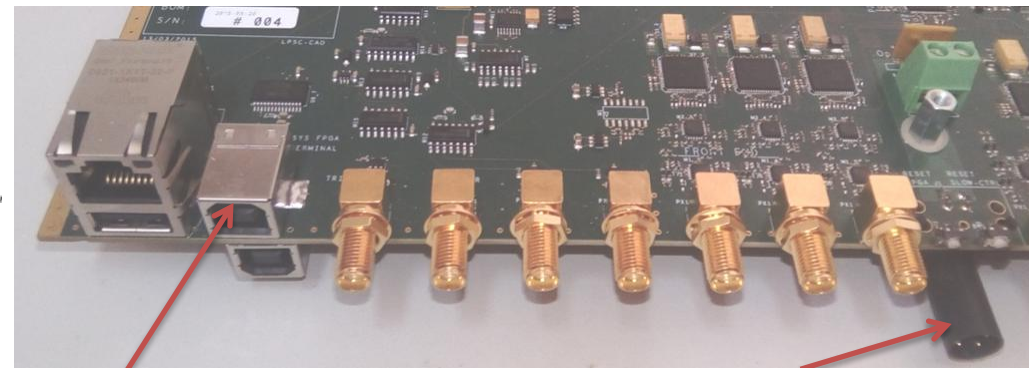
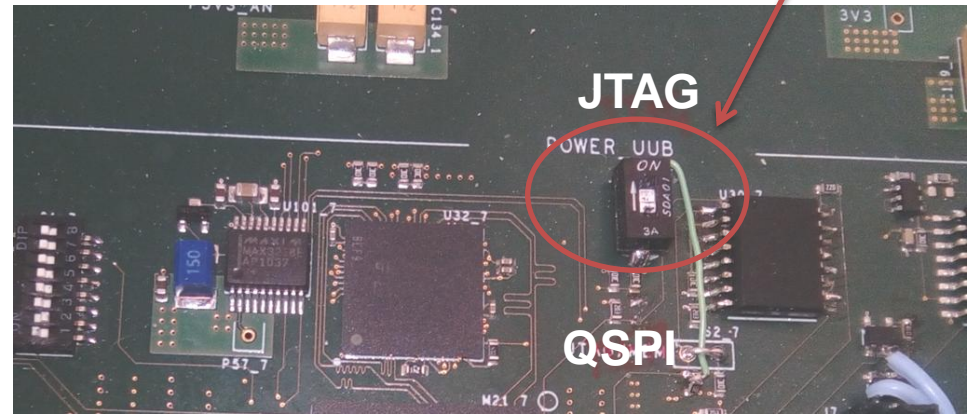
The process to program the QSPI takes a very long time (about 25 minutes)



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

Connect a USB cable to serial console

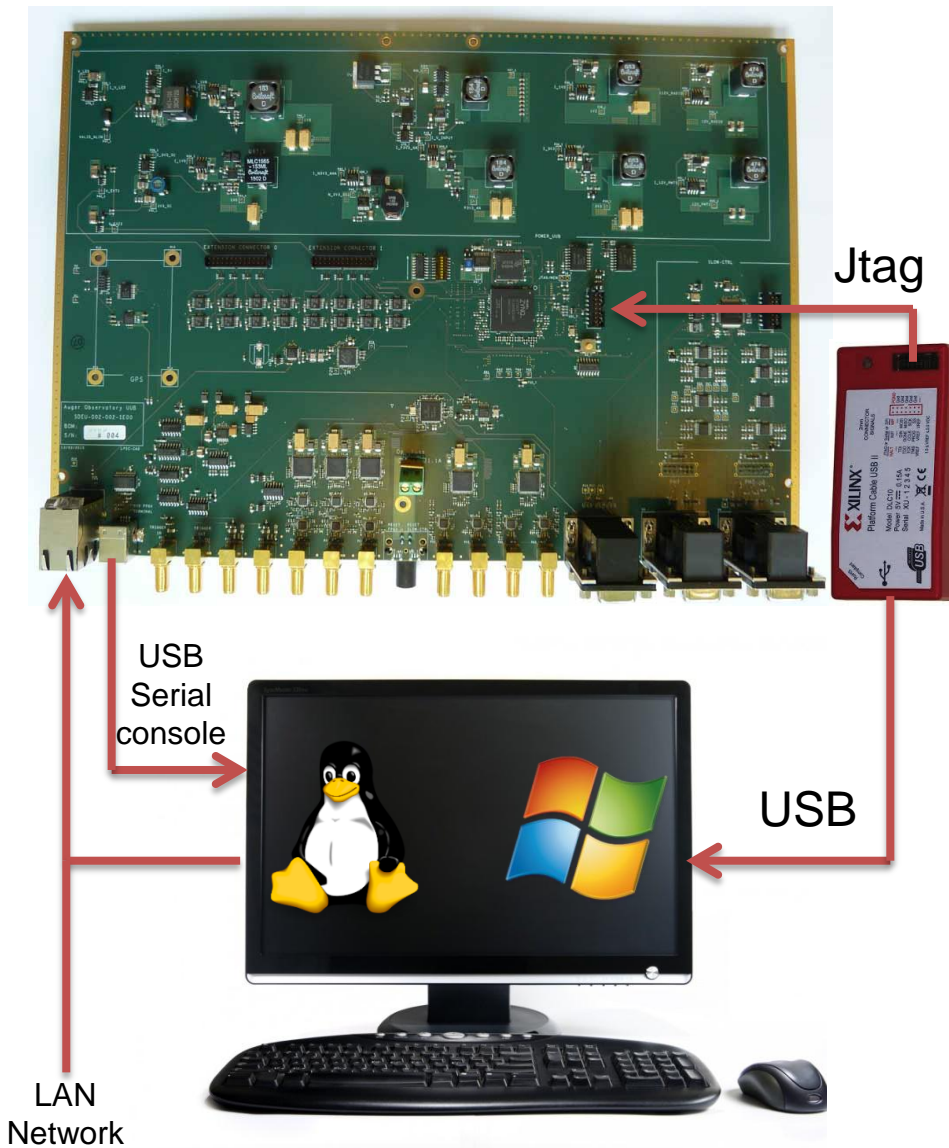
Petalinux and his application is now running in to the Zynq....



Zynq serial console
(top side)

DC power 24V

UUB connections to flash memory with BOOT.bin



Download the zip file from:

www.github.com/assiro/UUB_PETALINUX_WP1

BOOT.bin is the file to flash in QSPI memory

By SDK is possible to open the workspace into the folder:

vivado_uub_proto.sdk

In this SDK project you can get the source programs developed in petalinux distribution for UUB and settings to flash the memory.