

How to flash Zynq's QSPI by U-BOOT

This document describe how to flash the QSPI memory using u-boot program in alternative to the JTAG system.

To run u-boot on the cortex A9 of the zynq is used XMD console under SDK with the follow commands:

- connect arm hw<CR>
- source ps7_init.tcl<CR>
- ps7_init<CR>
- dow u-boot.elf<CR>
- con<CR>

When u-boot starts doesn't find any kernel to run but we get the prompt to send the follows commands:

- set setenv serverip IP NUMBER <CR>
- tftp 0x10000000 BOOT.bin <CR>
- sf probe<CR>
- sf update 0x10000000 0x0 0xE248A0<CR>