Load and run uClinux and helloworld on LPC2478 using Ubuntu

**All Ip-addresses are just examples!**

***Look-up your computer(tftp-server) ip by typing ifconfig in the Ubuntu terminal after you connect it to the router!***

1. Connect the board to the PC using the NULL-modem cable
2. Connect the board and PC to a router
3. Run tftp-server
4. Make sure romfs\_5.img, vmlinux.bin and helloworld are in your tftp folder
5. Open Terminal
6. Install picocom(if NOT installed already) : sudo apt-get install picocom
7. sudo picocom -b 115200 /dev/ttyUSB0
8. Power-on the LPC2478

**Save tftp server and board address for u-boot**

1. setenv serverip 192.168.1.100
2. setenv ipaddr 192.168.1.20
3. setenv gatewayip 192.168.1.1
4. saveenv

**Load data to the board**

1. tftpboot 0xa0800000 192.168.1.100:romfs\_5.img
2. tftpboot 0xa0008000 192.168.1.100:vmlinux.bin

**Run uClinux**

1. go a0008000

**uCLinux is started**

**Setup the boards ip-adress in uClinux**

1. ifconfig eth0 192.168.1.20

**Load helloworld program to the board and run it**

1. cd var
2. tftp -g -r helloworld 192.168.1.100
3. chmod +x helloworld
4. ./helloworld

**You should see the message “Hello world!” in the terminal on PC**

**Good luck! :)**