



SheevaPlug Development Kit - Configuring and Building the Linux kernel with LSP for KW(A0) based device

This document provides the procedure to configure the Linux kernel 2.6.22.18 with the linux-feroceon_4_2_7_KW_new.zip for the SheevaPlug platform based on Kirkwood 6281(A0).

1. On a Linux machine, go to the 'home' directory and create a directory 'SheevaPlug'.
/home# mkdir SheevaPlug
2. Copy the combined sources of the Linux kernel and Marvell's LSP in /home/SheevaPlug folder: *linux-2.6.22.18.tar.bz2*
3. Expand the source in the /home/SheevaPlug folder
~/SheevaPlug# tar -xjvf linux-2.6.22.18.tar.bz2
4. Create a new directory linux-feroceon_4_2_7_KW
~/SheevaPlug# mkdir linux-feroceon_4_2_7_KW
5. Move the folder linux-2.6.22.18 to a new folder linux-feroceon_4_2_7_KW
~/SheevaPlug# mv linux-2.6.22.18 linux-feroceon_4_2_7_KW
6. Do a make mrproper for a total clean build.
~/SheevaPlug/linux-feroceon_4_2_7_KW # make mrproper
7. Goto the configs folder and check for the mv88f6281_defconfig file.
~/SheevaPlug/linux-feroceon_4_2_7_KW # make mv88f6281_defconfig
8. Create a uImage
~/SheevaPlug/linux-feroceon_4_2_7_KW # make uImage
9. Rename it as uImage.sheeva.20090225
*~/SheevaPlug/linux-feroceon_4_2_7_KW # cp -a arch/arm/boot/uImage
~/SheevaPlug/linux-feroceon_4_2_7_KW /uImage.sheeva.20090319*