

## Using Linux kernel version 2.6.38.2

This document describes how to start Linux on a Sam460 using the 2.6.38.2 kernel which is on the Sam460 product page:

<http://www.acube-systems.biz/index.php?page=hardware&pid=5>

This Linux kernel uses a so-called Device Tree Blob file (.dtb). It must be used with the kernel image.

1. To boot the linux Kernel from the hard disk:

You need to use Parthenope/ub2lb 0.93 (check ACube Systems website).

- install "ub2lb" on your hard disk Rigid Disk Block.
- update the "menu.lst" file setting your system partition name (e.g. /dev/sda1)
- install in the / directory of your Linux system the file "menu.lst"
- install in the /boot directory the files "ulmage-460" and "sam460ex.dtb"
- start your Linux system selecting the corresponding hard disk in Uboot

2. To boot the linux Kernel from a TFTP server do:

**] tftp 1000000 uimage-460**

at this point the file will be loaded in memory.

**] tftp 2000000 sam460ex.dtb**

the file will be loaded in memory.

If the machine returns to the prompt after a few seconds, you need to explicitly start the image by entering bootm from the prompt:

**] bootm 1000000 - 2000000**

The kernel will then be executed.