

# Drivers

## SoCLib components

- Interrupt controller units
  - ◆ vci\_icu
  - ◆ vci\_xicu
- Timer units
  - ◆ vci\_multi\_timer
  - ◆ vci\_xicu
- TTY units
  - ◆ vci\_multi\_tty
  - ◆ vci\_log\_console
- Block devices
  - ◆ vci\_ramdisk
  - ◆ vci\_block\_device
- Framebuffer
  - ◆ vci\_fb\_controller

## IBM PC components

- Interrupt controller units
  - ◆ pic
- Timer units
  - ◆ 8253
- TTY units
  - ◆ VGA
- UART units
  - ◆ 8250 (standart PC timer)
- Block devices
  - ◆ ATA
- Network controllers
  - ◆ ne2000 pci
- Framebuffer
  - ◆ VGA

## Microcontroller devices

- Interrupt controller units
  - ◆ SAM7 AIC
- Twi (i2c)
  - ◆ Atmel 6061 (SAM7, SAM9)
- SPI
  - ◆ Atmel 6088 (SAM7, SAM9)
- UART
  - ◆ Atmel 6089 (SAM7, SAM9)
  - ◆ ARM7-TDMI JTAG messages
- GPIO controller

## Generic device controllers

- SPI-based SD/MMC controller
- SPI-based s1d15g00 & pcf8833 (Nokia 6610 LCD) drivers
- GPIO-based simple joystick controller

## EMU-based controllers

- TTY units
  - ◆ console-based driver
- Network controllers
  - ◆ tun/tap driver, to get a virtual network controller