



Lightweight USB Framework for AVR

WHAT?

- USB Stack
- Atmel AVR8 + AVR32
- Host + Device Support
- Open Source (MIT license)
- Based on AVR Libc

BONUS!

- Extremely well documented
- Build Environment
- Board Support Packages
- USB Boot Loaders
- USB Class Support

GOT CLASS?

- Android Accessory Host, Audio In Device, Audio In Host, Audio Out Device, Audio Out Host, Dual Virtual Serial Device, Generic HID Device, Generic HID Host, Joystick Device, Joystick Host, Keyboard Device, Keyboard/Mouse Device, Keyboard Host, Keyboard Host/Device Dual Mode, Mass Storage Device, Mass Storage/Keyboard Device, Mass Storage Host, MIDI Device, MIDI Host, Mouse Device, Mouse Host, Printer Host, RNDIS (CDC) Ethernet Device, RNDIS (CDC) Ethernet Host, Still Image Host, Virtual Serial Device, Virtual Serial Host, Virtual Serial/Mass Storage Device, Virtual Serial/Mouse Device, ...

FORK ME



- LPC/ARM: nxpUSBLib
- LPC/ARM: LUFA-LPC13xx

DEMO TIME!

- ATmega32u4
- CDC-ACM device
- AVR109 bootloader
- “Hello, World” by LED

URLs?

- <http://lufa-lib.org/>
- <http://github.com/abcminiuser/lufa/>
- <http://github.com/henrikbrixandersen/lufa-demo/>