lib_xud: USB device library (README)

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vendor
>   XMOS

version
>   2.4.0

scope
>   General Use

description
>   USB device library

category
>   General Purpose

keywords
>   USB, bulk, HID

devices
>   xcore.ai, xcore-200

1   Summary

The XMOS USB Device (XUD) library provides a low-level interface to USB. lib_xud is a software defined, industry-standard, USB library that allows you to control an USB bus via *xcore* ports.

The library provides functionality to act as a USB *device* only.

2   Features

▶ USB 2.0 Full-speed (12Mbps) and High-speed (480Mbps)

▶ Device mode

▶ Bulk, control, interrupt and isochronous endpoint types supported

▶ A complete worked example of a HID mouse

3   Known issues

▶ SOF tokens are not CRC checked on XS3 based devices (see tests/test_sof_badcrc) (#99)

4 Development repo

▶ lib_xud

5 Required tools

▶ XMOS XTC Tools: 15.3.0

6 Required libraries (dependencies)

▶ None

7 Related application notes

The following application notes use this library:

▶ AN00136 - Example USB Vendor Specific Device

8 Support

This package is supported by XMOS Ltd. Issues can be raised against the software at:
http://www.xmos.com/support