



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>



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