



# lib\_board\_support: XMOS board support (README)

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vendor

XMOS

version

1.4.0

scope

General Use

description

Support library for XMOS development kits

category

General Purpose

keywords

I2C, Ethernet, Audio

devices

xcore.ai, xcore-200

## 1 Summary

**lib\_board\_support** contains board specific hardware configuration code for various XMOS evaluation and development kits.

## 2 Features

- ▶ Support for the following XMOS boards:
  - ▶ XK-EVK-XU316
  - ▶ XK-AUDIO-316-MC
  - ▶ XK-AUDIO-216-MC
  - ▶ XK-EVK-XU216
  - ▶ XK-ETH-316-DUAL
- ▶ Simple examples demonstrating usage from both XC and C.



### 3 Known issues

- ▶ Support for SMI (used in the Ethernet PHY drivers) requires the lib\_ethernet dependency, which is not included in this repository to avoid introducing dependencies into non-Ethernet applications. Any Ethernet application targeting either XK-EVK-XU216 or XK-ETH-316-DUAL boards must include lib\_ethernet explicitly.

### 4 Development repo

- ▶ [lib\\_board\\_support](#)

### 5 Required tools

- ▶ XMOS XTC Tools: 15.3.1

### 6 Required libraries (dependencies)

- ▶ [lib\\_i2c](#)
- ▶ [lib\\_sw\\_pll](#)
- ▶ [lib\\_xassert](#)

### 7 Related application notes

The following application notes use this library:

- ▶ [AN02003: SPDIF/ADAT/I<sup>2</sup>S Receive to I<sup>2</sup>S Slave Bridge with ASRC](#)
- ▶ [AN02016: Integrating Audio Weaver \(AWE\) Core into USB Audio](#)

### 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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