



lib_locks: Lock handling library (README)

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vendor

XMOS

version

2.3.1

scope

General Use

description

Lock handling library

category

General Purpose

keywords

hardware locks, software locks, locks

devices

xcore.ai, xcore-200

1 Overview

This library provides access to hardware and software locks for use in concurrent C programs. In general it is not safe to use these to marshall within XC due to the assumptions XC makes about safe concurrent data access.

2 Features

- ▶ Hardware locks: fast and power efficient but there are a limited number per tile
- ▶ Software locks: slower but an unlimited number can be used

3 Known Issues

- ▶ None

4 Required Tools

- ▶ XMOS XTC Tools: 15.3.0



5 Required Libraries (dependencies)

- ▶ None

6 Related Application Notes

- ▶ None

7 Support

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



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