
GPIO Library

The XMOS GPIO library allows you to access xCORE ports as low-speed GPIO.

Although xCORE ports can be directly accessed via the xC programming language this library allows more flexible usage. In particular, it allows splitting a multi-pin output/input port to be able to use the individual pins independently. It also allows accessing ports across separate XMOS tiles or separate XMOS chips.

Features

- Abstract interface to GPIO functionality of XMOS ports
- Allow control of individual bits of multi-bit ports
- Allow access to ports across tiles

Operating modes

- Multi-bit output for individual access to the pins of a multi-bit output port
- Multi-bit input for individual access to the pins of a multi-bit input port
- Multi-bit input for individual access to the pins of a multi-bit input port allowing the application to react to events on those pins

Software version and dependencies

This document pertains to version 1.1.0 of this library. It is known to work on version 14.2.3 of the xTIMEcomposer tools suite, it may work on other versions.

This library depends on the following other libraries:

- lib_xassert (>=3.0.0)

Related application notes

Currently there are none.