

Application Note: AN10048

How to wait for a condition on an input port

This application note is a short how-to on programming/using the xTIMEcomposer tools. It shows how to wait for a condition on an input port.

Required tools and libraries

This application note is based on the following components:

• xTIMEcomposer Tools - Version 14.0.0

Required hardware

Programming how-tos are generally not specific to any particular hardware and can usually run on all XMOS devices. See the contents of the note for full details.



1 How to wait for a condition on an input port

An input operation can be made to wait for one of two conditions on a port: equal to (pinseq) or not equal to (pinsneq) some value.

The following statement instructs input_port to wait until the value seen on its pins is not equal to input_value before sampling and providing it to the processor to store in input_value.

input_port when pinsneq(input_value) :> input_value;



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