How to input data accompanied by a data valid signal

version 1.1.0

scope Example. This code is provided as example code for a user to base

their code on.

description How to input data accompanied by a data valid signal

boards Unless otherwise specified, this example runs on the SliceKIT Core

Board, but can easily be run on any XMOS device by using a different

XN file.

A clocked port can interpret a ready-in strobe signal that determines the validity of the accompanying data. The example below inputs data from a clocked port only when a ready-in signal is high.

The following statement configures the input port inP to be sampled only when the value sampled on the port inReady equals 1. The ready-in port must be 1-bit wide.

```
configure_in_port_strobed_slave(inP, inReady, clk);
```

Data is sampled on the rising edge of the clock whenever the ready-in signal is high. The port samples two 4-bit values and combines them to produce a single 8-bit value for input by the processor.

inP :> void;

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