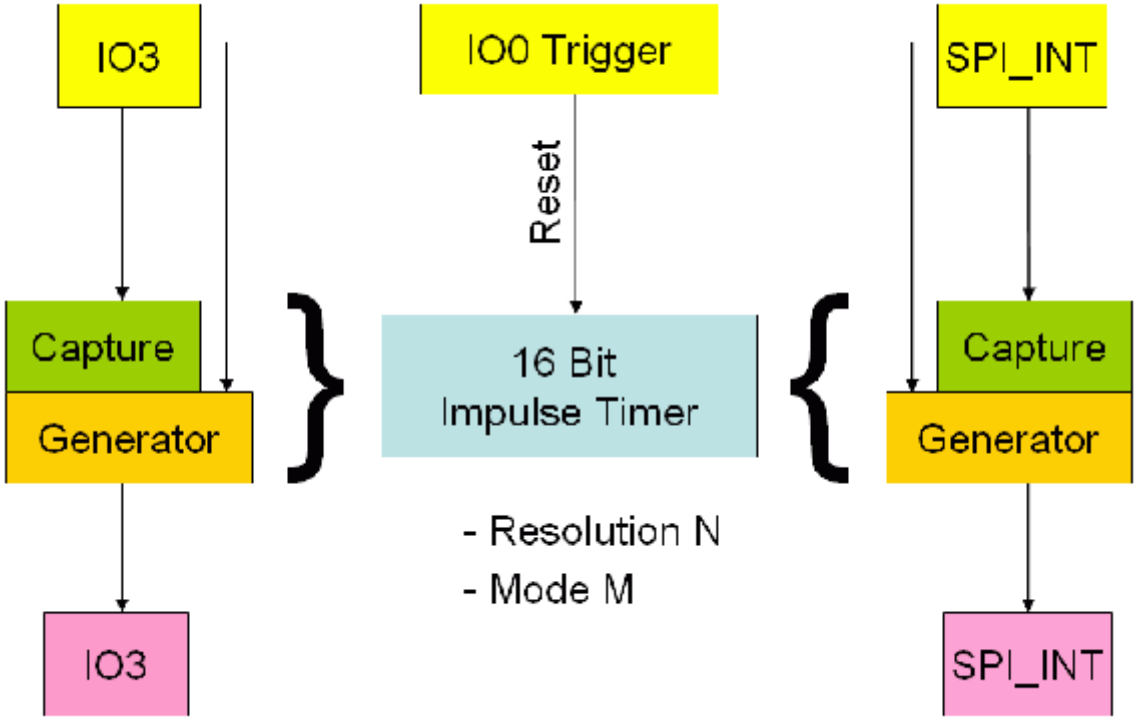
Impulse handling with Netzer IO

Netzer is able to generate and capture signals at IO3 and SPI_INT.



The image shows the structure of the impulse generator/capture.

The impulse module is divided into two fundamental modes, the unsynchronized mode and the IO0 synchronized mode. Both, IO3 and SPI_INT, can either work in unsynchronized or in IO0 sync mode.

Furthermore for each of the channels a dedicated mode can be configured, which are:

- Continuous mode
- Single mode
- IO0 triggered mode

And last but not least channels can be configured for capturing (measuring impulses) or generating impulses.

Unsynchronized mode

The impulse timer is free running in this mode. IO0 interrupts will not reset the impulse timer.

Generating impulses in continuous mode

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