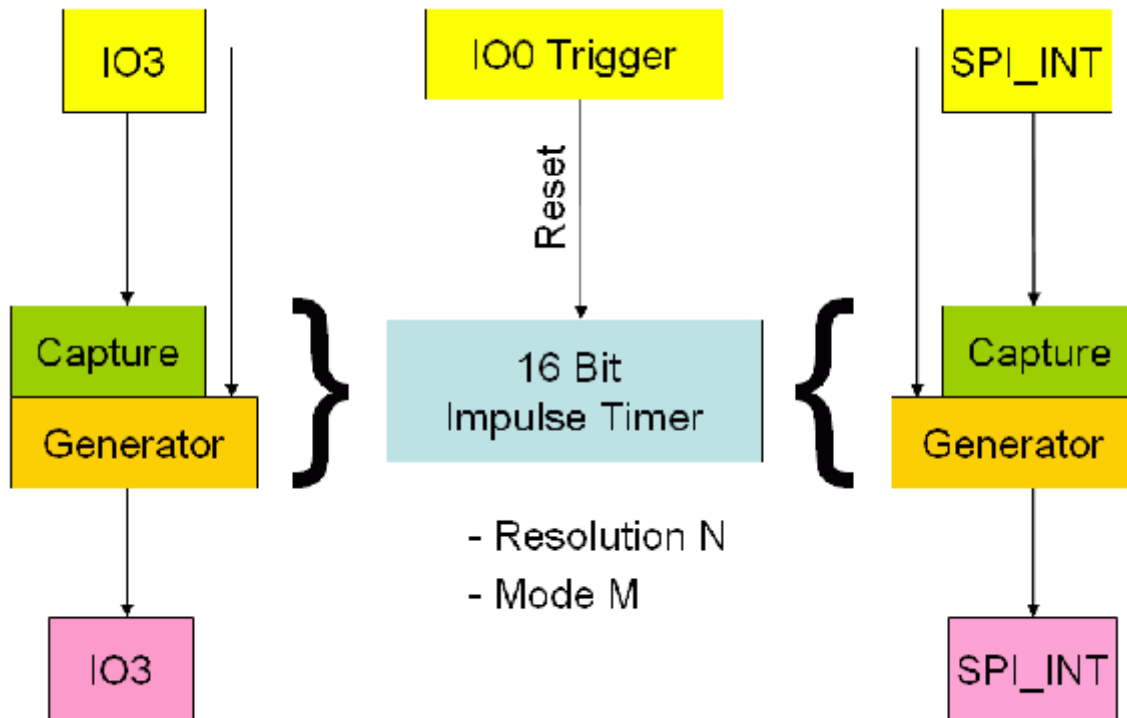


# Impulse handling with Netzer IO

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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<http://www.mobacon.de/dokuwiki/> - **MoBaCon**

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