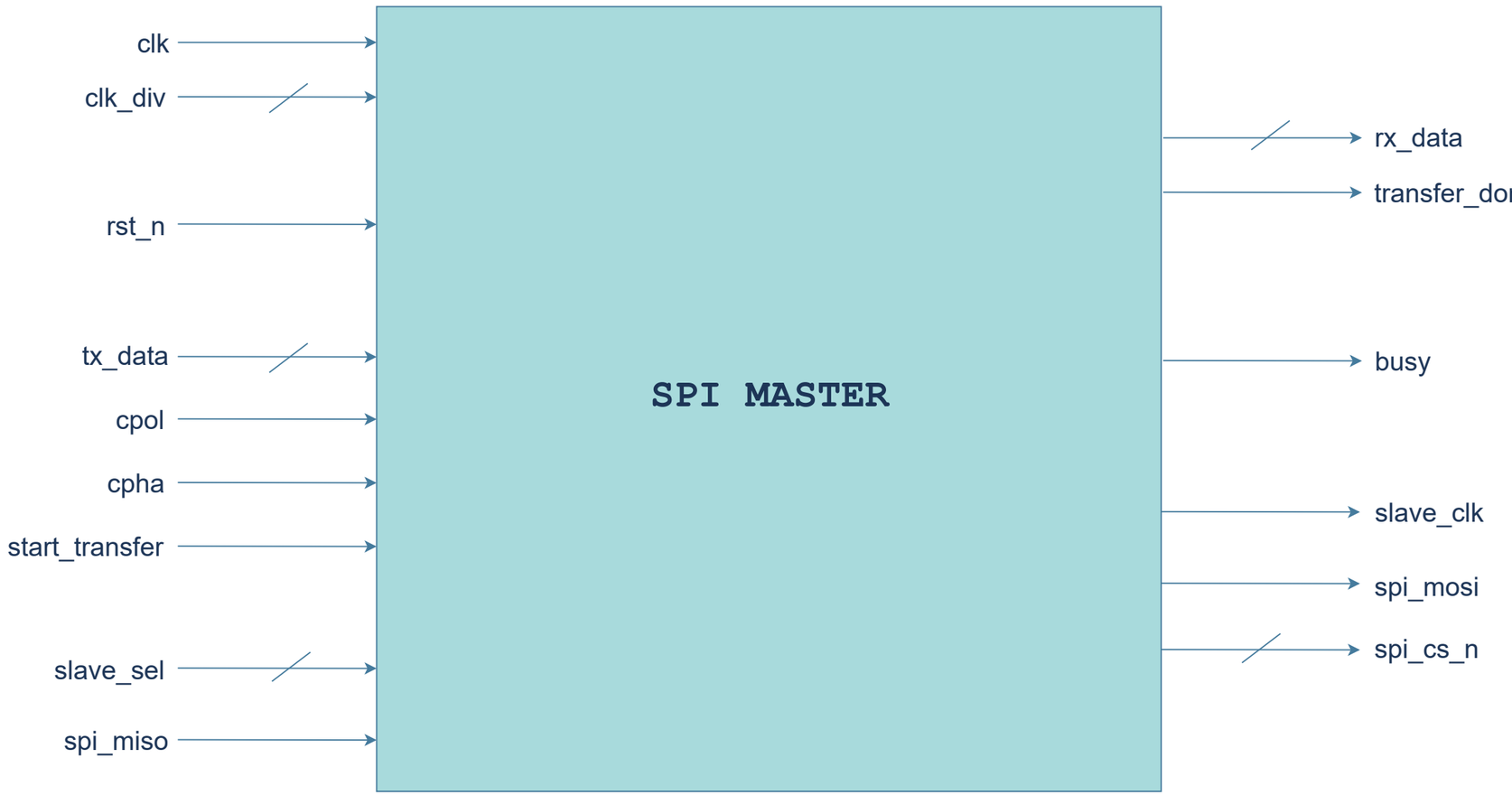
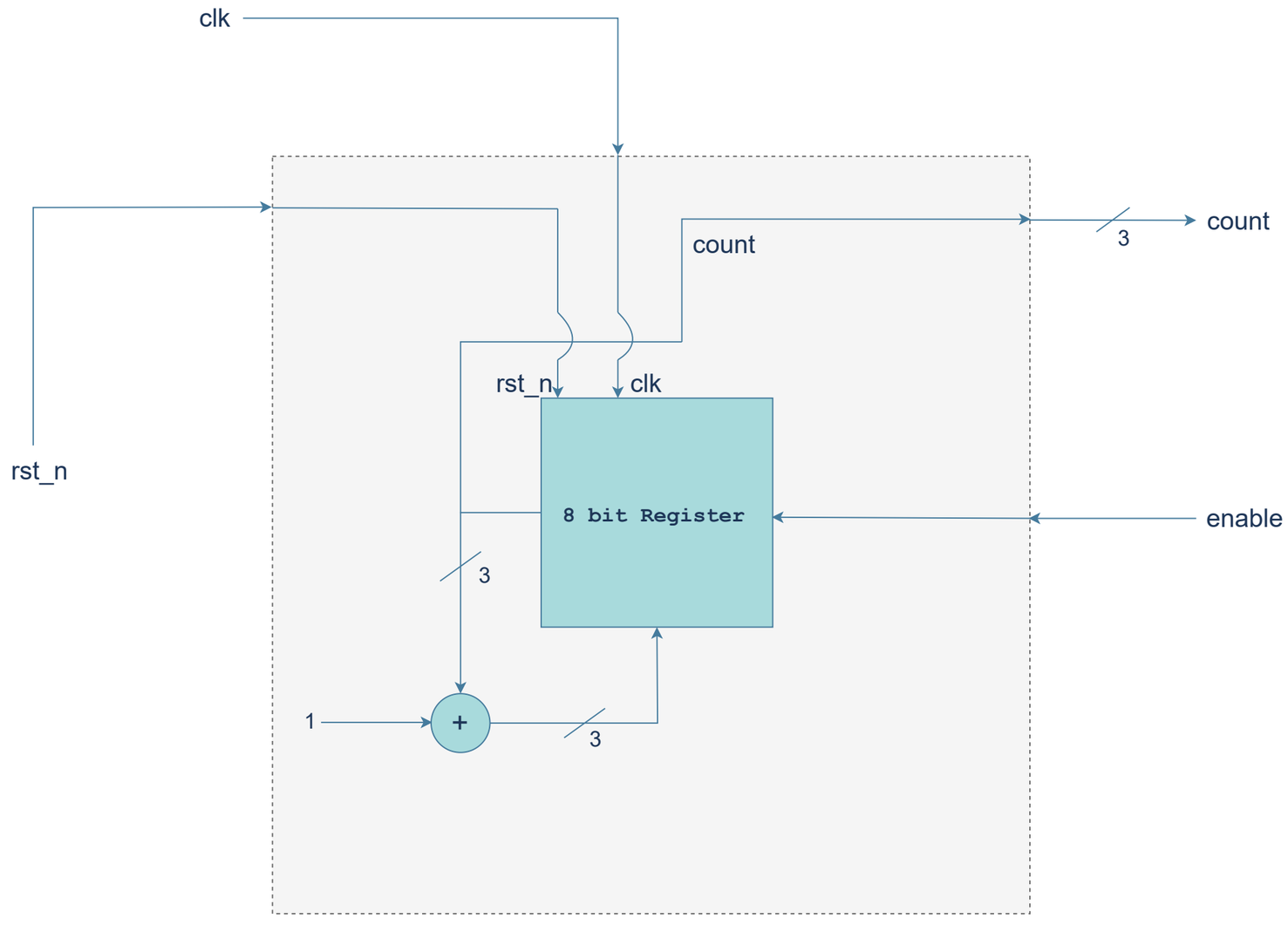
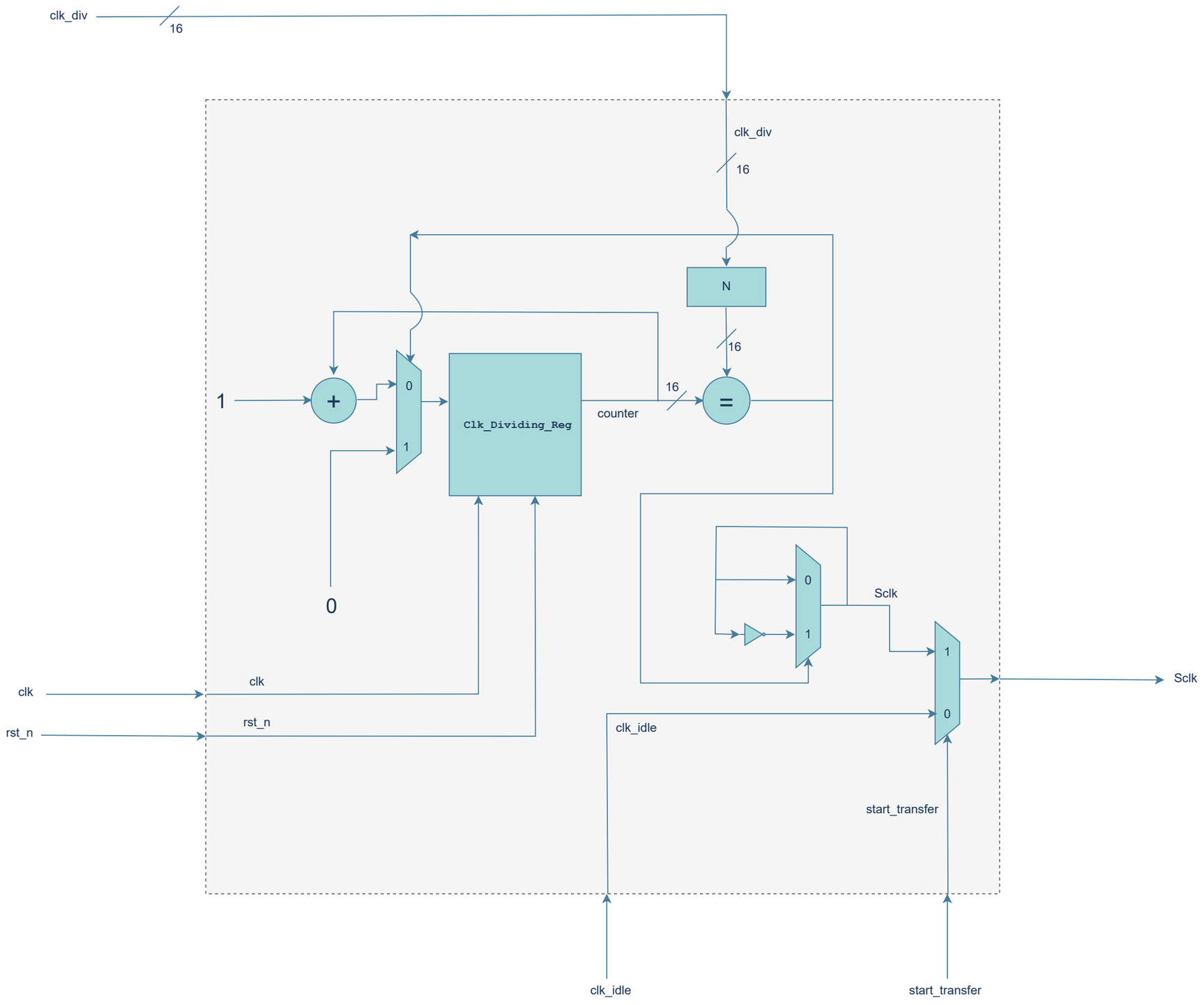

clk
clk_div
rst_n
tx_data
cpol
cpha
start_transfer
slave_sel
spi_miso
SPI MASTER
rx_data
transfer_done
busy
slave_clk
spi_mosi
spi_cs_n

Counter



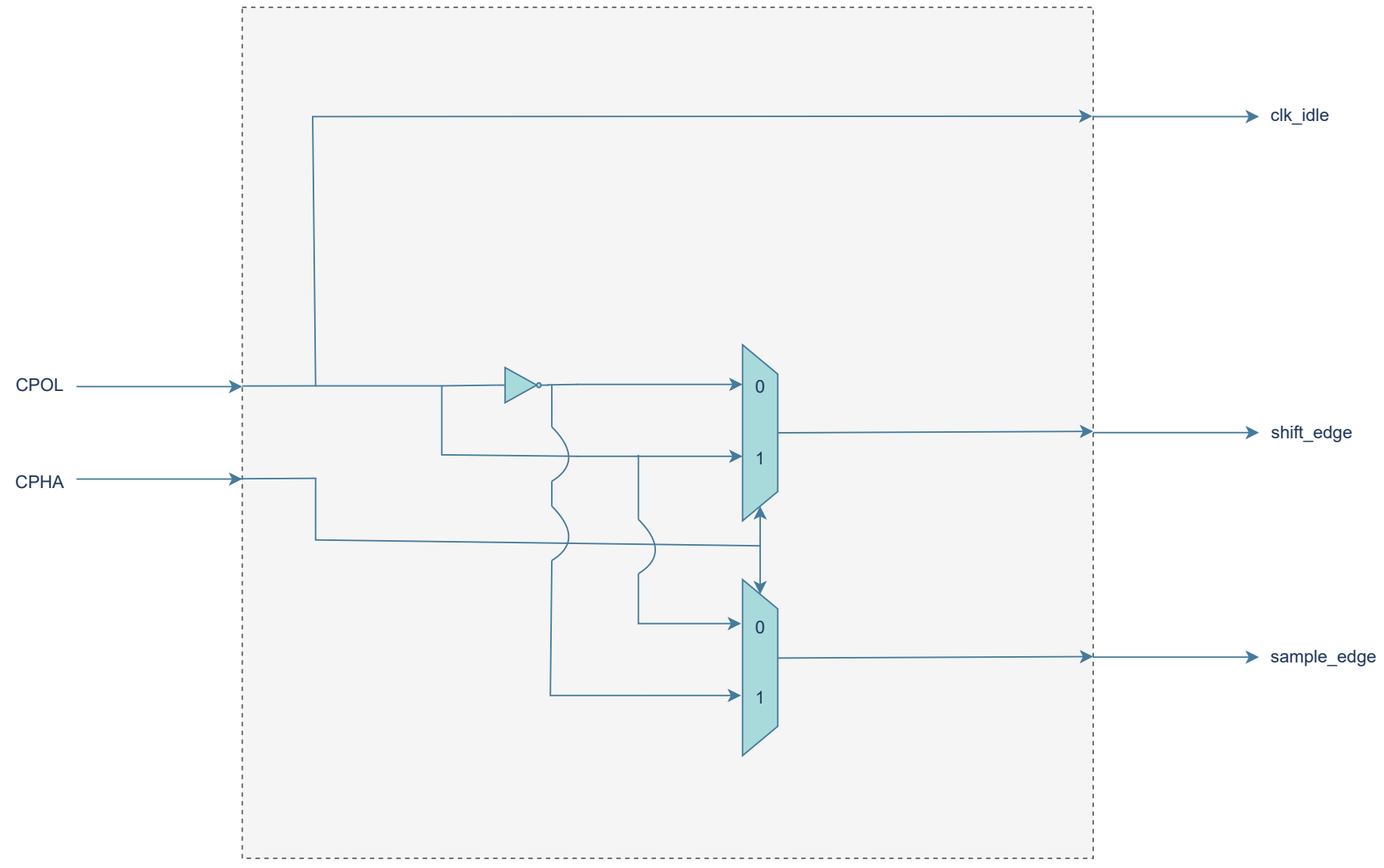
Clk_generator



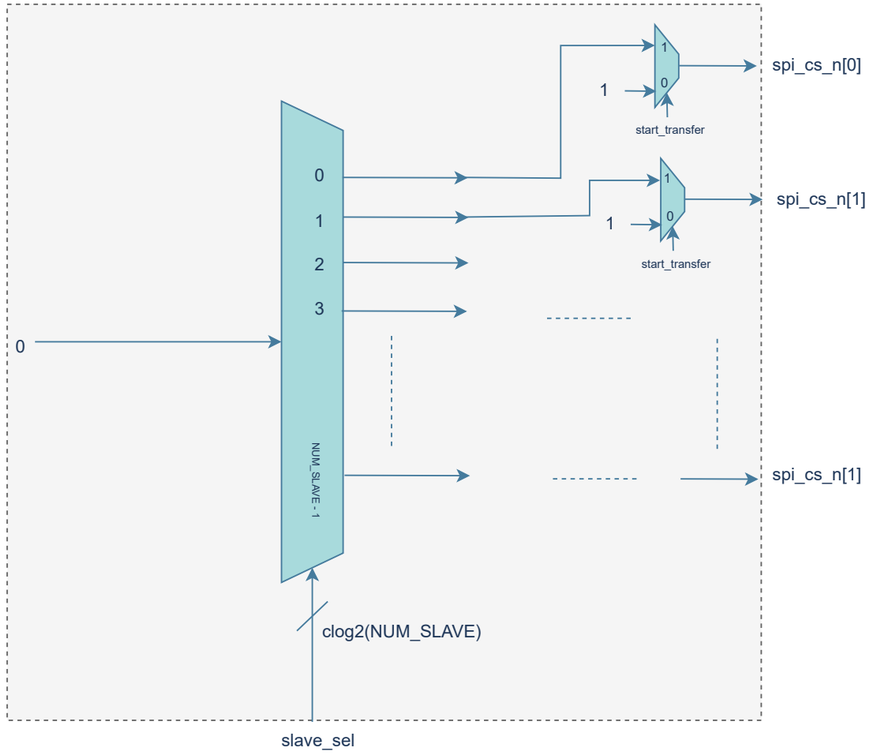
clk_div/2 - 1= N

/*For reference*/

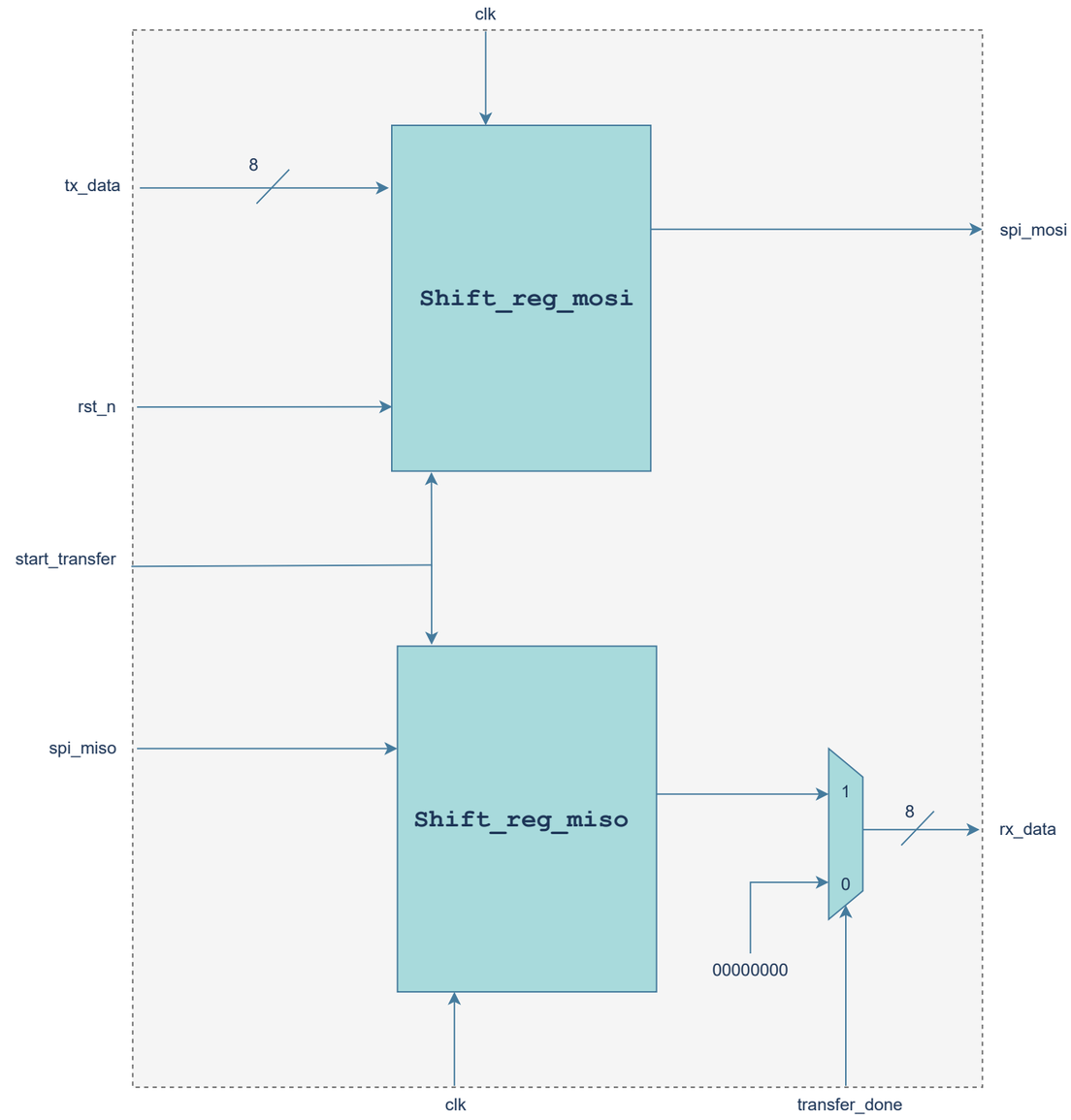
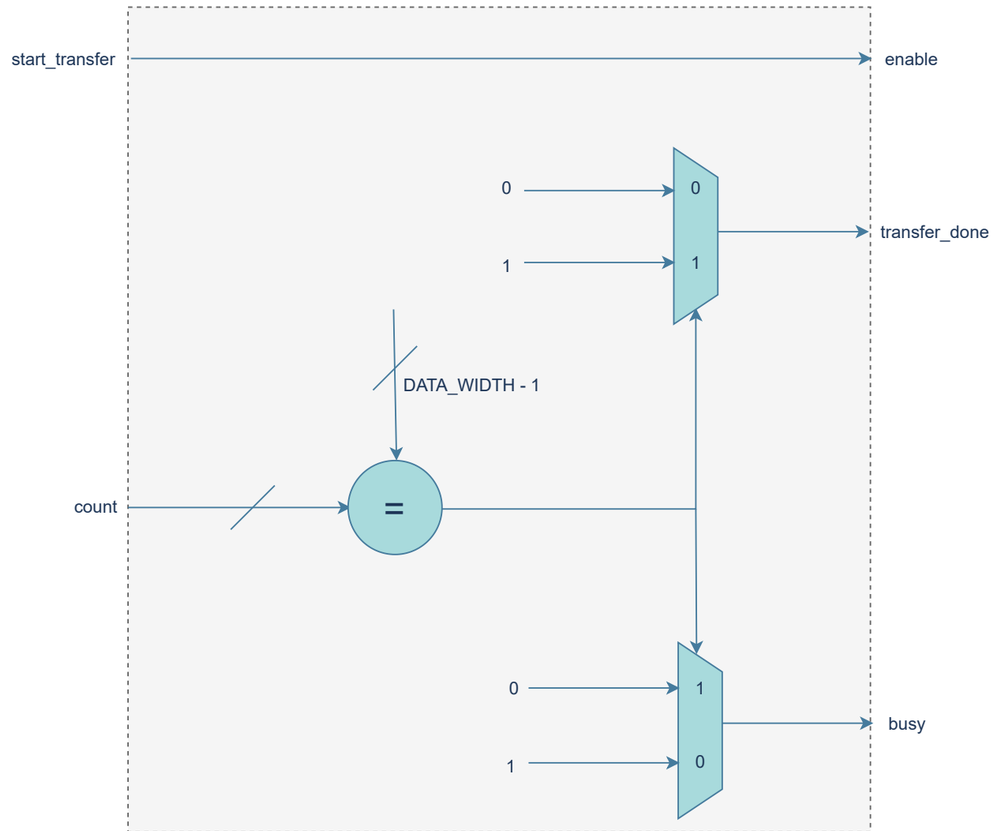
Mode_control



Slave_selector



SPI_datapath



SPI_flag_controller