

# Working on UART using Bare Metal

19 June 2025 09:53

First things first, need to be clear about registers.

So for getting the info, go through : (1) stm32f427vg pdf (2) rm-stm32f429

(1) look for the block diagram, figure 4, to know about the bus connected to the peripheral

(2) Go through each and every register needed to configure the uart (USART), section 30

The word length can be changed to 8 or 9 bits, in the USART\_CR1 register Mth bit.

Procedure to start communication is given in detail in pg 974, rm-stm32f429

Also understand the usart block diagram.