

UART

⇒ It is one of the most popular Serial communication Protocol.

{ Sending data one after the other. }

Communication

Synchronous

{ Have a clock line }

Asynchronous

{ doesn't have a clock line }

⇒ In Serial communication, communication is made possible only when both the device agree on common:

- Transmission speed
- Data length
- Start and Stop bits

baud/sec \times 9600

This means one bit length is $\frac{1}{9600} \text{ Sec} = 104 \mu\text{s}$

→ Generally 8 bit

- Generally Tx is always high
 - When it goes low, it's called start bit
 - After counting the data length when it goes high, that is stop bit

{ Data length = 8 bit
Baud Rate = 9600 }

