RS485

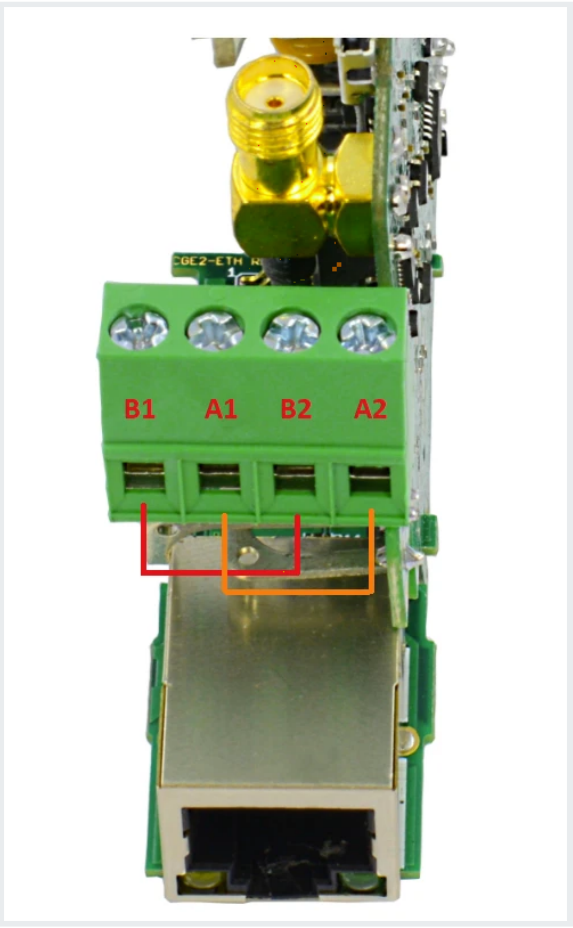
ESP32 Open IoT and IIoT Gateways (P01 & P02)

Link to repositories:

- C
- MicroPython

Connection

Connect RS485_1 port to the RS485_2 port in the loopback configuration.



Description

This example shows how to handle the RS485 communication via UART and UART-RS485 MAX481 converter. There is also a function implemented for each line termination via the 74HC595BQ shift register. After flashing both ports should send and read data from each other.

Console output

```
I (1865) rs485: received on RS485 2 string: test RS485 communication
I (1865) rs485: received on RS485 1 string: test RS485 communication

I (1965) rs485: received on RS485 2 string: test RS485 communication
I (1965) rs485: received on RS485 1 string: test RS485 communication

I (2065) rs485: received on RS485 2 string: test RS485 communication
I (2065) rs485: received on RS485 1 string: test RS485 communication

I (2165) rs485: received on RS485 2 string: test RS485 communication
I (2165) rs485: received on RS485 1 string: test RS485 communication
```

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