

RS232/RS485

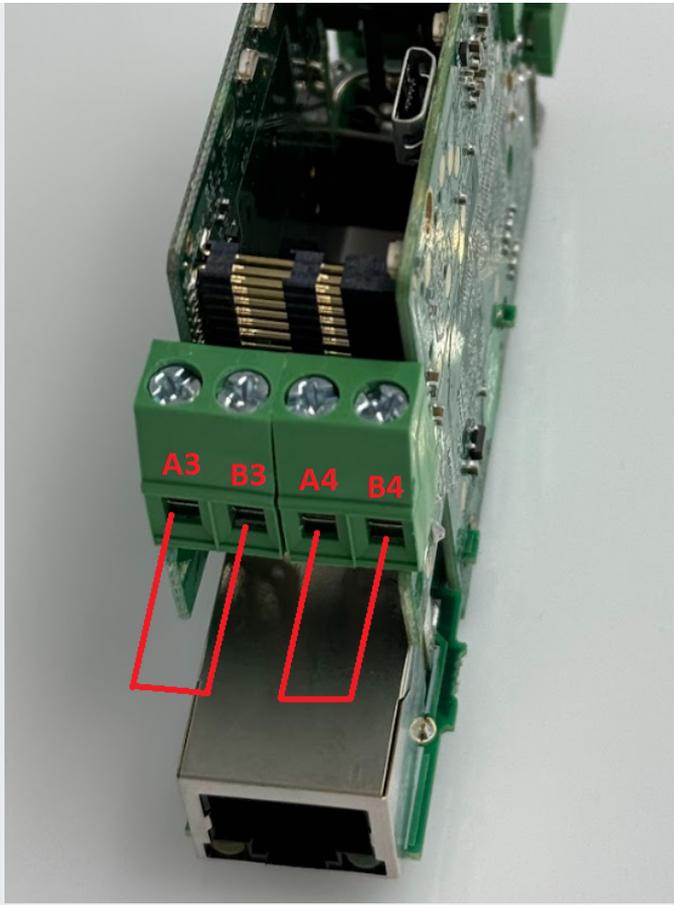
STM32 Open IoT and IIoT Gateways (P10 - P12)

Link to repositories:

- [C](#)

This script tests internal communication between serial ports with the possible lowest (2400) and highest (115200) baudrate.

For this example, connect each port's transceiver with the receiver:



Default settings:

- baud rate: 115200
- data bits: 8
- parity bits: 0
- stop bits: 1
- receiver timeout: 3s

If the connection is right, you should see the messages shown below for each U(S)ART:

```
TESTING UART, BAUDRATE = 115200
OK
TESTING UART, BAUDRATE = 2400
OK
```

If something goes wrong with the connection, you will see the message for a specific port like below:

```
TESTING UART, BAUDRATE = 115200  
ERROR RECEIVED NOTHING  
TESTING UART, BAUDRATE = 2400  
ERROR RECEIVED NOTHING
```

Revision #10

Created 20 June 2024 09:47:41 by Jan Górski

Updated 6 February 2025 11:59:21 by Michał Grabski