

# RS485-TTL Module



The modules makes it simple to use with microcontroller's UART to to create bidirectional RS485 networks.

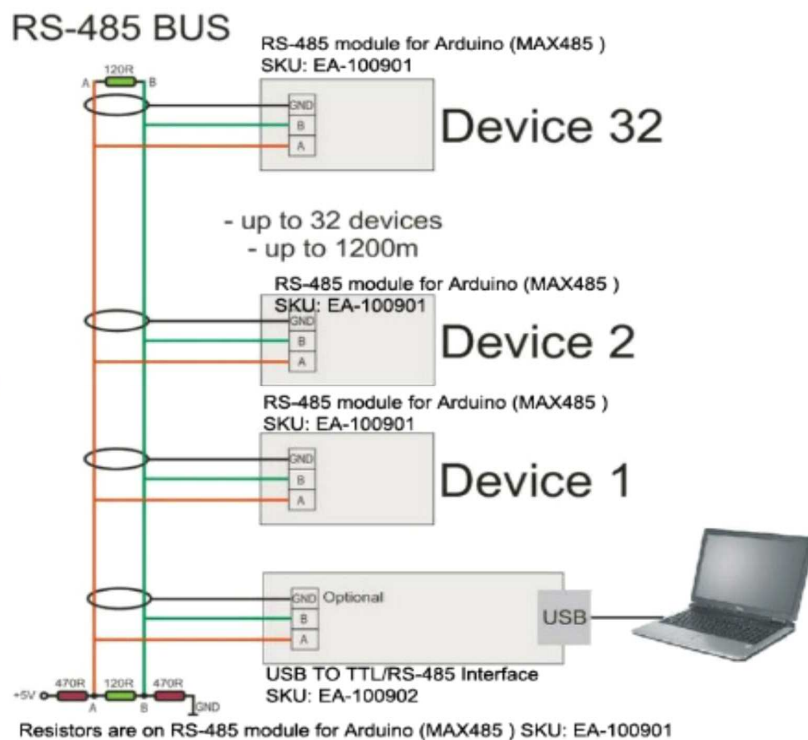
## Specifications:

- On-board **MAX485** chip, low-power, Slew-Rate Transceiver
- RS485 is brought out to 5.08 (mm) pitch 2P terminal for easy wiring RS-485 communication
- All pins can be controlled by the microcontroller
- 120R terminating resistor on board
- Power LED Indication
- 2.54mm Pitch interfacing.
- Working voltage: 5V
- Typical Connections between MCU and MAX485
- MCU
- MAX485

**Details:**

- TX-OUT-UART
- DI - Data Input
- RX-IN-UART
- RO - Receive Output
- TX\_EN
- RE-DE combined pins called as TX\_EN
- When MCU Wants to Transmit it makes TE\_EN high, else LOW

**NETWORK DIAGRAM:**



**MAX485 ON BOARD:**

**Datasheet:**

<https://www.openimpulse.com/blog/wp-content/uploads/wpsc/downloadables/MAX485-Datasheet.pdf>

**Schematic:**

