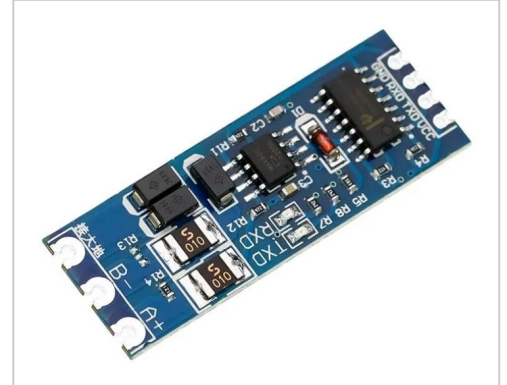




# Elecrow UART TTL to RS485 2-way converter, lightning and anti-interference protection, half-duplex, 3.3-5.0V



The UART TTL to RS485 module enables the TTL interface of the microcontroller to be converted into an RS485 module for industrial automation. It offers lightning and anti-interference protection, supports up to 128 devices, is hot-

**Product number** CIA00485T

**Weight** 0.002kg

## Product description

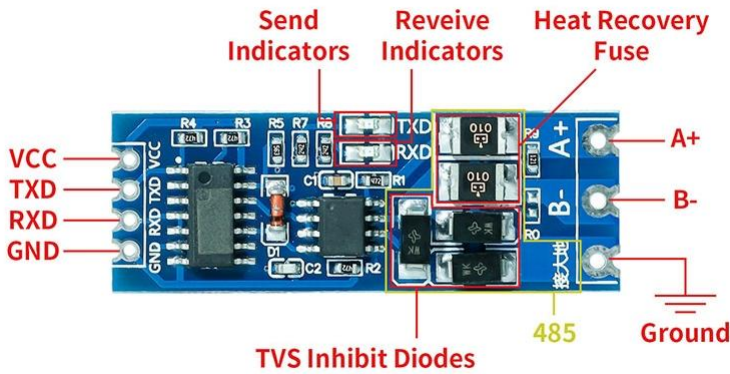
### UART TTL to RS485 two-way converter

This module enables the TTL interface of the microcontroller to be transferred to the RS485 module. It is commonly used for industrial automation. This module adds lightning protection design and anti-interference design. When we use it in the field and perform long-distance transmission, we can connect the GND terminal of the module to the ground to achieve lightning protection and anti-interference.

It uses a standard design with a pitch of 2.54 mm. If you want to make the second development, it will be more convenient. It has a 120 ohm terminating resistor that can R0 when short-circuited, it is recommended that users be short-circuited in long-distance transmissions. It supports communication between multiple microcontrollers and allows up to 128 devices on the bus. It can be hot-swapped to avoid signal interference. A large copper area has been implemented, the effect is very good.

### Features at a glance

- 3.3V perfectly compatible with 5.0V power supply
- 3.3V and 5.0V signal perfectly compatible
- Working temperature range: -40 °C to + 85 °C
- Transmission distance up to kilometres (tested with 850 metres 2 \* 1.5 cable, it is recommended to use within 800 metres, if more than 800 metres, please add repeater)
- Half-hole process design, the thickness of 0.8mm, makes it easy to use as a combination board, it can also be used welded terminal
- Has RXD, TXD signal lights to observe the transmit and receive status
- Communication method: half-duplex



### Technical specifications

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### Other data

- Supports communication between multiple microcontrollers, up to 128 devices on the bus
- Lightning protection and anti-interference design
- Standard 2.54 mm pitch

### Scope of delivery

- 1x TTL to RS485 converter module

### Links

- [WIKI](#)

## Product properties

Gross Weight (kg)	0.002
Zolltarifnummer	84718000
Color	blue
Country of Origin	China
Brand	Elecrow
Product ID	CIA00485T
Manufacturer ID	CIA00485T
EAN	4251266710639



### More images

