

USB to RS485 Module

FIT0737

Product Overview

07-11-2022

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

DFRobot USB to RS485 module expands one RS485 asynchronous communication interface from a computer's USB interface to realize the communication between PC and other RS485 devices. The module uses a PL2303 chip and an easy-to-install driver. There are LED indicators on the module to show its working status: red for power, yellow for data sending, and green for data receiving. The baud rate of the module is 300bps to 115.2kbps, and the RS485 transmission distance can be as far as 2km at the speed of 57.6kbps. The USB to RS485 module drives up to 32 RS485 devices, and the RS485 line is equipped with lightning protection, which effectively ensures the load capacity and working stability of the module. This module is ideal for military systems, high-speed railway, power station, and industrial scenes.



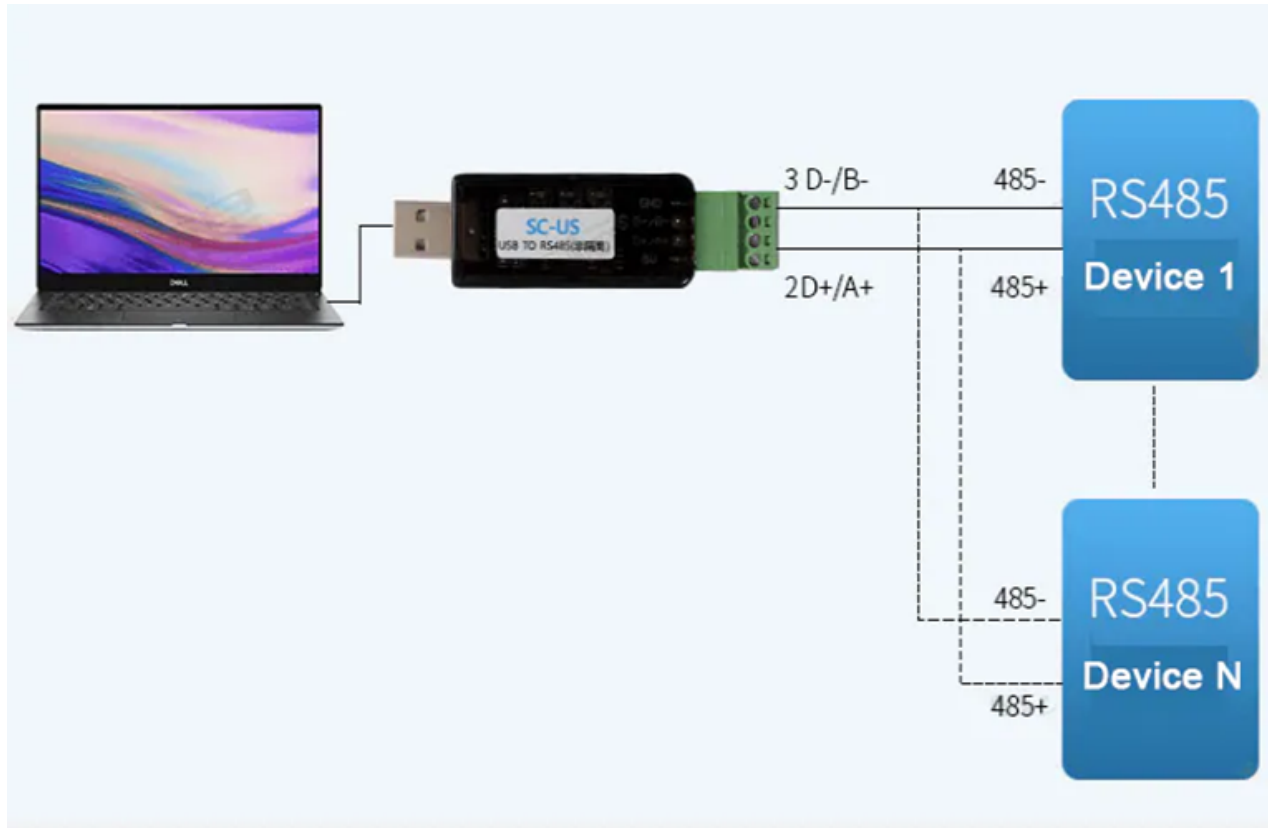
Features

- USB2.0/3.0
- RS485 compliant
- 300bps to 115.2Kbps transmission rate
- Asynchronous Half Duplex (RS485) Self-adaption working mode
- Up to 2Km at the speed of 57.6Kbps (faster speed will shorten the distance) transmission distance

Specifications

- -40°C to 85°C working temperature
- 83mm*26mm*17mm/3.27*1.02*0.67 inch size
- <0.5W power consumption

Connection Diagram



Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/dfrobot/dfrobot-usb-rs485-module/>