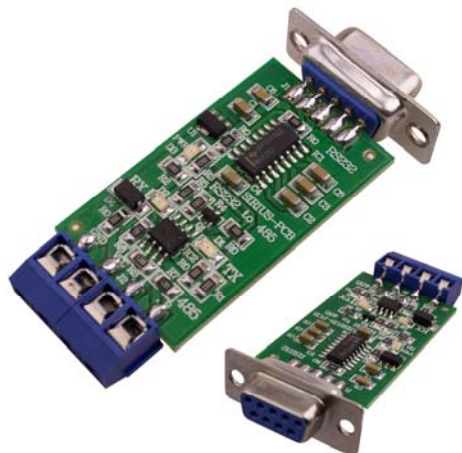


RS232 to RS485

№100851



The module is used to connect devices with RS232 or RS485 serial to RS232 or RS485 communication channel. This system allows connecting several devices to one modem or interface converter.

The RS485 interface used allows connecting up to 32 access controllers to one interface controller. Access controllers can be connected through FTP cable and the cable length must NOT exceed 1200 meters.

Key Features

- 3-Wire connection by RS232:
DB9 Female connector - pin2-RxD, pin3-TxD, pin5-GND
- Automatic data direction control
- Serial Speed: from 300kbps up to 115200kbps
- Supply Voltage DC 7,5V-18V
- Reverse-voltage protection
- LED indication for **PWR** supply voltage;
- LED indication for **RX**, **TX** receiving and transmission
- PCB Size: 44mm x 25mm

Description

- terminal J2
 - to VCC and GND for input supply voltage of 7,5V-18V DC
 - pinA and pinB are connected to RS485 signal line
- J1 pinout DB9 – RS232

Signalling:

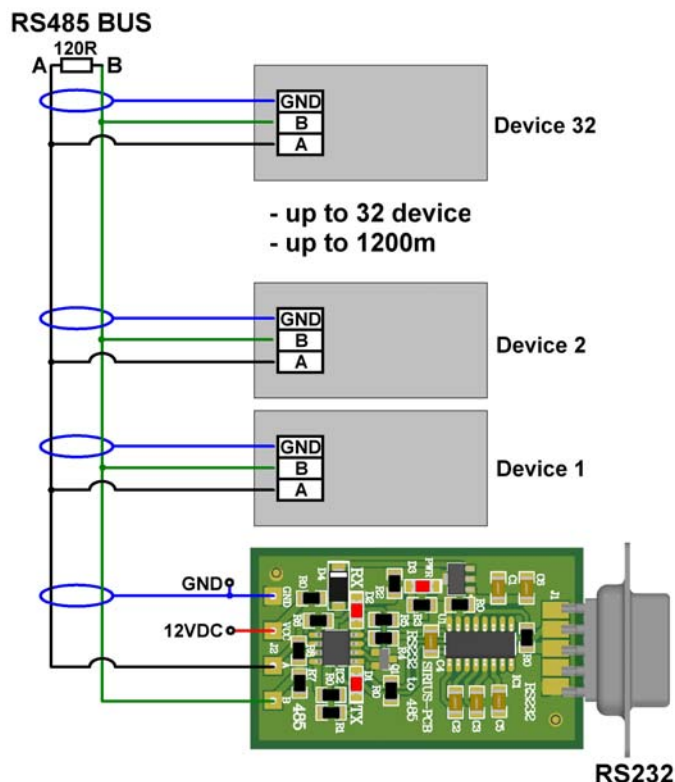
(all LEDs illuminate if supply voltage is on and no data is transferred)

- yellow LED **D3 (PWR)** – power supply is on
- green LED **D2 (RX)** – goes off during receiving data
- yellow LED **D1 (TX)** – goes off during sending data

Note:

- It is advisable grounds (**GND**) of all devices to have a common connection point when all devices are connected to **one electric network**.
- When devices are used in **different electric networks** only the ground (**GND**) of the first device must be connected.
- Shielded cable must be used if **RS485** communication line exceeds **100m**. It is connected to the first device's ground.

Device Wiring Diagram



Thank you for choosing us!