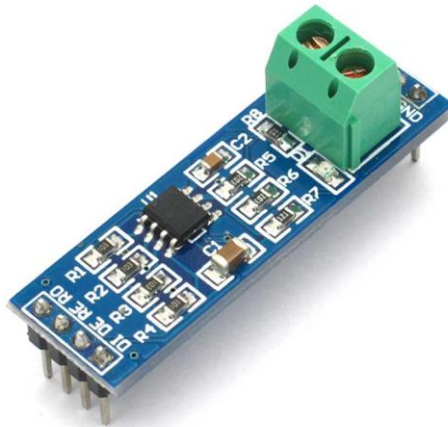


MAX485 Module

Overview



On-board MAX485 chip is a low-power and slew-rate-limited transceiver used for RS-485 communication. It works at a single +5V power supply and the rated current is 300 μ A. Adopting half-duplex communication to implement the function of converting TTL level into RS-485 level, it can achieve a maximum transmission rate of 2.5Mbps. MAX485 transceiver draws supply current of between 120 μ A and 500 μ A under the unloaded or fully loaded conditions when the driver is disabled. The driver is limited for short-circuit current and the driver outputs can be placed at a high impedance state through the thermal shutdown circuit. The receiver input has a fail-safe feature that guarantees logic high output if the input is open circuit. In addition, it has a strong anti-interference performance.

Specifications

Board dimension : 44(mm)x14(mm)

Working voltage : 5V

Connect to 5.08 (mm) 2P terminal on board, for wiring of RS-485 to communicate

All pins on the chip have been broken out, which can be controlled and operated via microcontroller

Applications

- ❖ Low-Power RS-485 Transceivers
- ❖ Low-Power RS-422 Transceivers
- ❖ Level Translators
- ❖ Transceivers for EMI-Sensitive Applications
- ❖ Industrial-Control Local Area Networks