RS485 5 Click

PID: MIKROE-4156

The RS485 5 Click is a Click board™ equipped with the MAX485, low-power transceiver for RS-485 and RS-422 communication over UART interface for various automation systems, controllers, sensors and small embedded devices that can all share the same bus.

RS485 5 Click is supported by a mikroSDK compliant library, which includes functions that simplify software development. This Click board™ comes as a fully tested product, ready to be used on a system equipped with the mikroBUS™ socket.

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Specifications

Type	RS485
Applications	Transceiver RS422/RS485 communication bus over UART interface for various automation systems, controllers, sensors and small embedded devices that can all share the same bus.
On-board modules	MAX485, low-power transceiver for RS-485 and RS-422 communication
Key Features	Transceiver draw between 120µA and 500µA of supply current when unloaded or fully loaded with disabled drivers. Driver is short-circuit current limited and is protected against excessive power dissipation by thermal shutdown circuitry. The receiver input has a fail-safe feature that guarantees a logic-high output if the input is open circuit.
Interface	GPIO,UART
Compatibility	mikroBUS
Click board size	S (28.6 x 25.4 mm)
Input Voltage	5V

Resources

mikroBUS™ Standard specification

LibStock: mikroSDK

Click board catalog

Click boards™ Standard Page

Downloads

RS485 5 click example on Libstock

MAX1487-MAX491 datasheet

RS485 5 click 2D and 3D files

RS485 5 click schematic