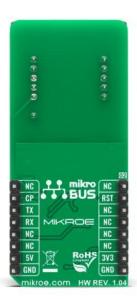


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RFID 2 Click





PID: MIKROE-4208

RFID 2 Click is a compact add-on board that contains a stand-alone RFID reader with a built-in antenna easy-to-use for embedded applications. This board features the <u>ID-12LA-SA</u>, an advanced low-cost RFID reader module usable with 38 different tags from <u>ID Innovations</u>. This small 125kHz reader has a 9600bps TTL/RS232 output with Magnetic, Wiegand, or ASCII format, read ranges of 12cm and 18cm, and possesses a remotely controlled channel that can be used to operate with user peripherals. This Click board™ is designed to be used in standalone or remote-controlled applications to identify and track tags attached to objects.

RFID 2 Click is supported by a mikroSDK compliant library, which includes functions that simplify software development. This Click board $^{\text{TM}}$ comes as a fully tested product, ready to be used on a system equipped with the mikroBUS $^{\text{TM}}$ socket.

Mikroe produces entire development toolchains for all major microcontroller architectures.

Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.







health and safety management system.



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Specifications

Туре	RFID/NFC
Applications	Can be used in stand-alone or remote- controlled applications to identify and track tags attached to objects.
On-board modules	RFID 2 Click is based on the ID-12LA-SA, an advanced low-cost RFID reader module designed to be used in stand-alone or remote-controlled applications to identify and track tags attached to objects from ID Innovations.
Key Features	Low power consumption, autonomous mode, remote controlled auxiliary Channel, long range 12cm and 18cm, and more.
Interface	UART
ClickID	No
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

<u>mikroBUS™</u>

mikroSDK

Click board™ Catalog

Click boards™

Downloads

NE555 datasheet

RFID 2 click 2D and 3D files

RFID 2 click schematic

RFID 2 click example on Libstock

ID-12LA-SA datasheet

